

# Sparkled



## Sparkled Clinical Content Design Group

Wednesday 27 September Workshop

Sydney



# Acknowledgement of Country

We acknowledge the Traditional Custodians of the land  
on which we all gather today.

We pay our respect to elders past, present, and emerging and  
extend our respect to all Aboriginal and/or Torres Strait  
Islander people, acknowledging the First Peoples as the first  
scientists, educators and healers.



# Agenda

Time	Item	Item	Time	Lead/facilitator
9.00am	1	Welcome <ul style="list-style-type: none"> <li>•Intro to Sparked</li> <li>•Who's who in the room</li> <li>•Objectives</li> </ul>	20mins	Kate Ebrill Chris Moy
9.20am	2	DOHAC update	10mins	Jeremy Sullivan
9.30am	3	Where have we come from <ul style="list-style-type: none"> <li>•Primary care data quality foundation</li> <li>•Detailed Clinical Models</li> <li>•What's happening globally               <ul style="list-style-type: none"> <li>•Pan Canadian Data Framework</li> <li>•PRSB and Portable Care Record</li> <li>•US CDI</li> </ul> </li> </ul>	45mins	Kate Ebrill Heather Leslie
10.15am		Morning tea	30min	

10.45am	4	Why a common data model <ul style="list-style-type: none"> <li>•Clinical vision</li> <li>•Industry vision</li> <li>•Local reporting data vision</li> <li>•National reporting data vision</li> </ul>	1.5hr (20min each)	Rob Hosking, Jo Wright Marvin Malcolm, Danielle Bancroft Nick McGhie AIHW representative
12.15pm		Lunch		
1.00pm	5	What are the priorities (group activity) <ul style="list-style-type: none"> <li>•Use cases and priorities</li> <li>•Scope moving forward</li> </ul>	90min (45min each)	Kate Ebrill
2.30pm		Afternoon tea	30min	
3.00pm	6	How are we going to deliver (group activity) <ul style="list-style-type: none"> <li>•Community approach</li> <li>•Design principles</li> </ul>	60 min	Kate Ebrill
4.00pm	7	Reflections from the day Wrap up and next steps	30min	Kate Ebrill
4.30pm		Close		



# Objectives for today

- Understand the Sparked Program
- Understand how Sparked aligns with other International activity
- Understand how Sparked is leveraging other previous and current activity
- Inform the scope and priorities of the Sparked deliverables
- Agree our principles and ways of working
- Understand how you can participate in Sparked ongoing
- Identify how we can engage others beyond this group in Sparked

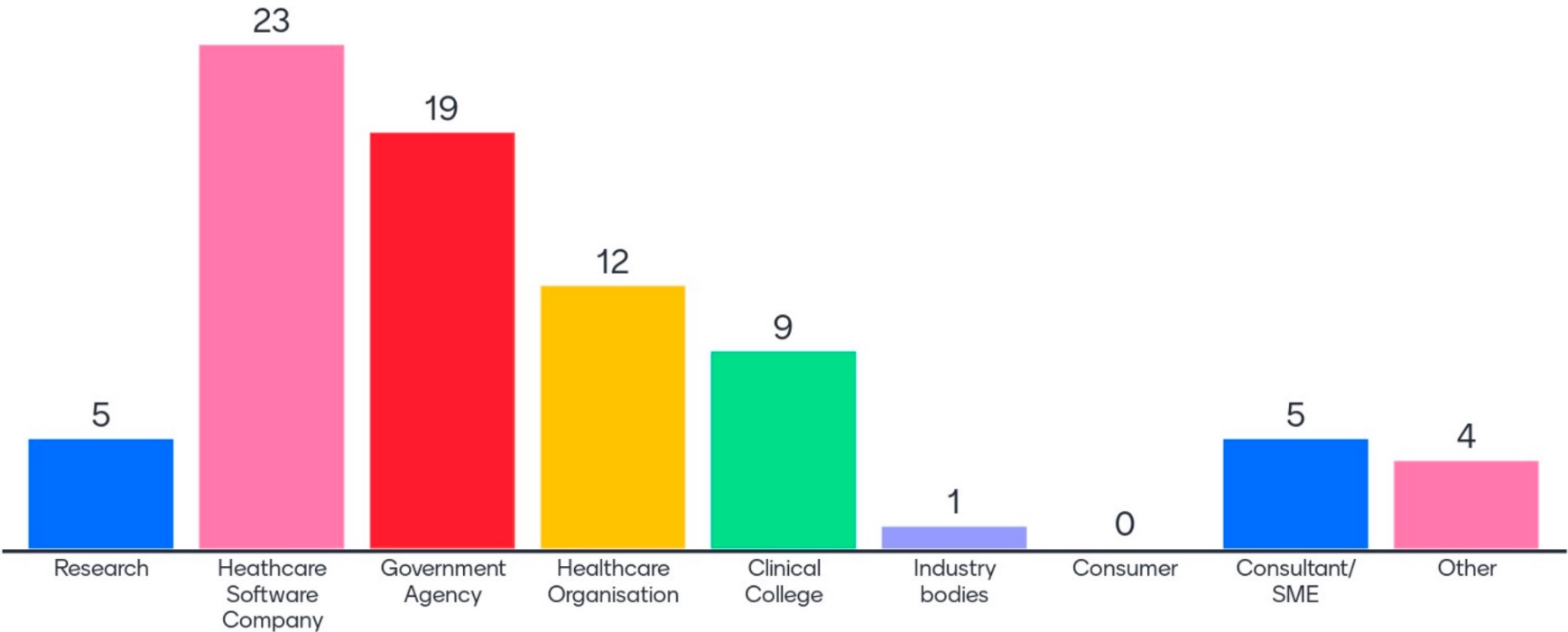
Introductions – who's who in  
the room!

# Activity done in workshop

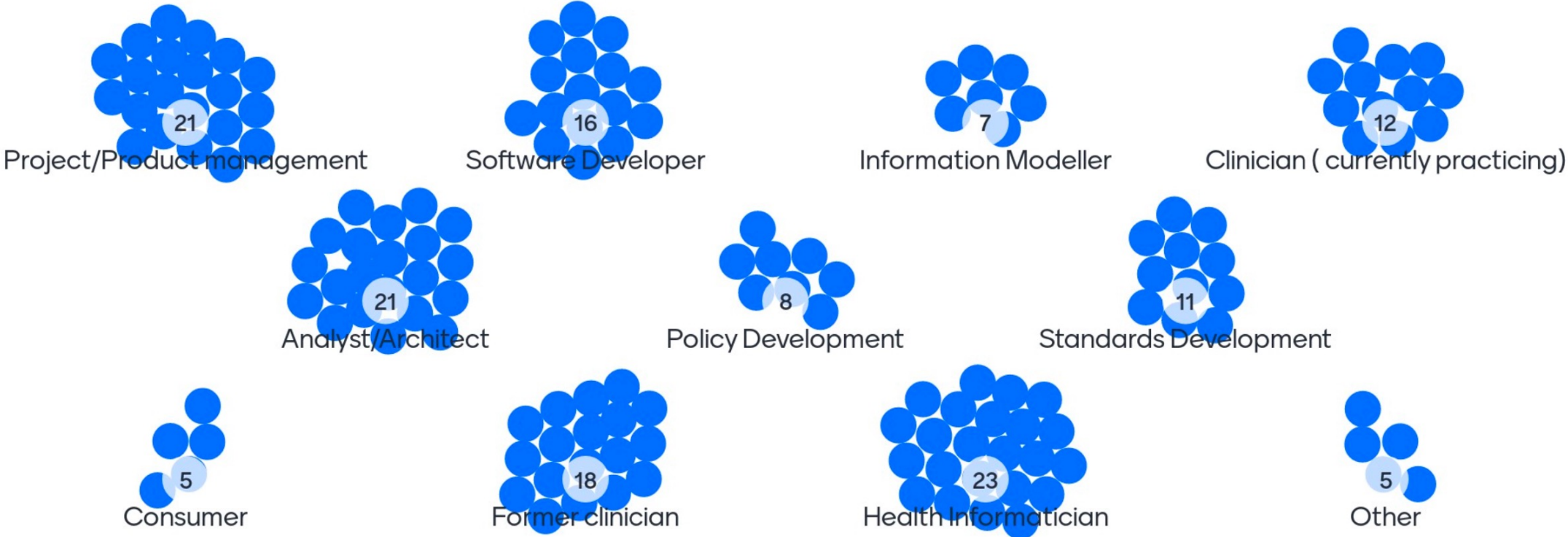
Which city or town are you from?  
67 responses



## What kind of organisation are you from?

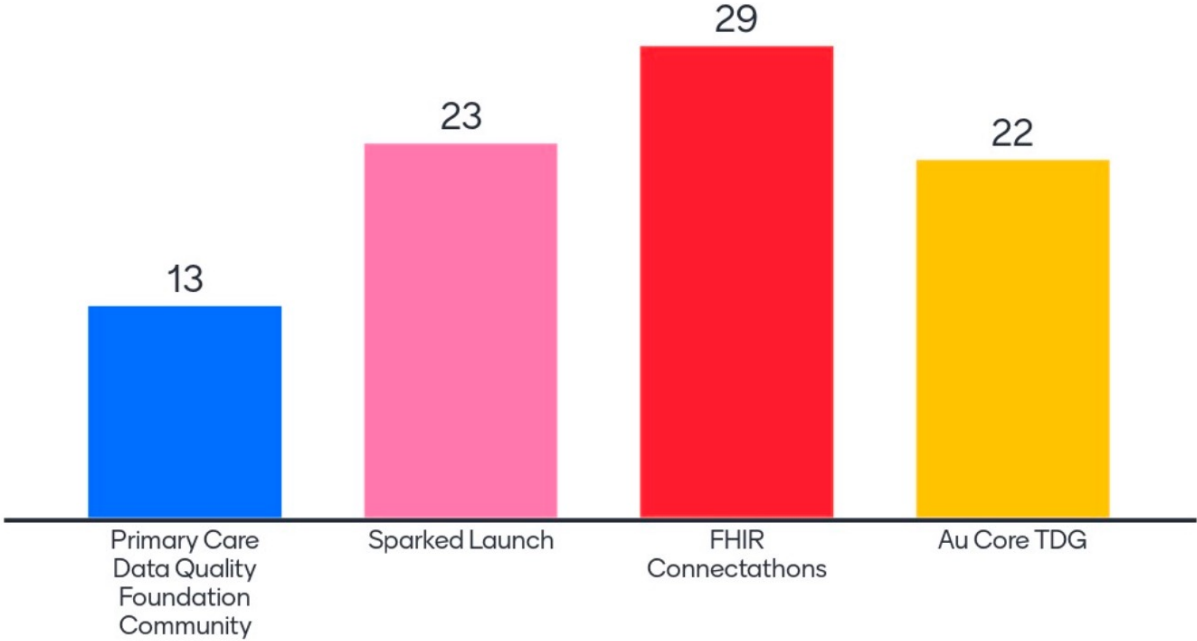


## What is your role/background





## Have you attended /participated in...



# Activity done in workshop

Your objective for today?  
70 responses



A decorative graphic on the left side of the slide, consisting of a network of white lines and circles on a blue background, resembling a circuit board or a neural network. The lines are vertical and horizontal, with some diagonal connections, and the circles are of varying sizes, some acting as nodes or junctions.

# SOME OPENING THOUGHTS

DR CHRIS MOY



## Examples of Black Swan Events



Natural  
Disasters



Active Shooter/  
Mass Shooting



Nuclear  
Accidents



Acts of War



Oil Spills



Deadly Virus  
Outbreak



**SO, NOW WE HAVE ASCERTAINED WHO IS RESPONSIBLE....**

The background is a solid teal color. In the four corners, there are decorative white line-art elements resembling circuit traces or a network diagram. These lines connect to small white circles, creating a sense of connectivity and technology.

“You never want a serious crisis to go to waste. And what I mean by that is an opportunity to do things that you think you could not do before.”

— Rahm Emanuel







Baseus



Type C Port

100W PD

4K HD

TF  
SD

RJ45

USB3.0

USB3.0

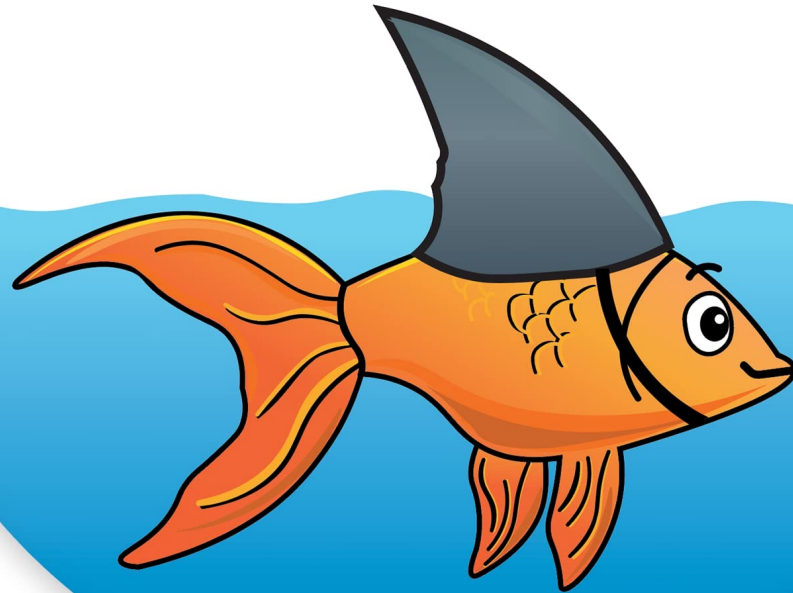
USB3.0

USB3.0

Baseus

Baseus

**MINDSET  
IS EVERYTHING**



The background is a dark teal gradient. In the corners, there are white line-art graphics resembling circuit boards or neural networks, with lines connecting to small circles.

If you put enough smart people together in one space, good things happen.

- **Erik Hersman**

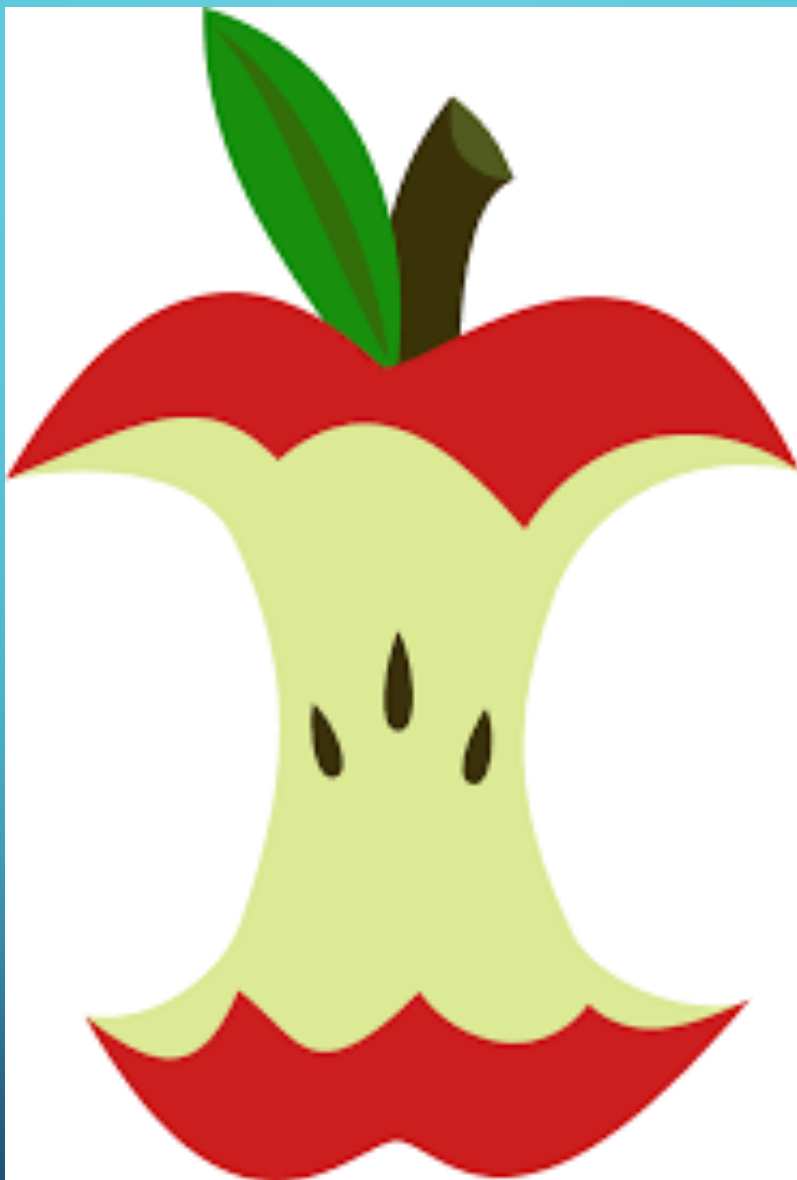
“A mountain is climbed on step  
at a time”

- **Unknown**





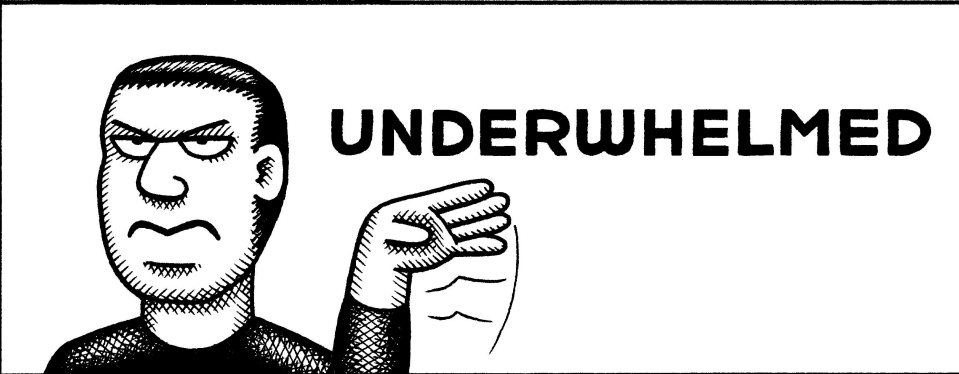






**NO EXIT**

© **Andy Singer**



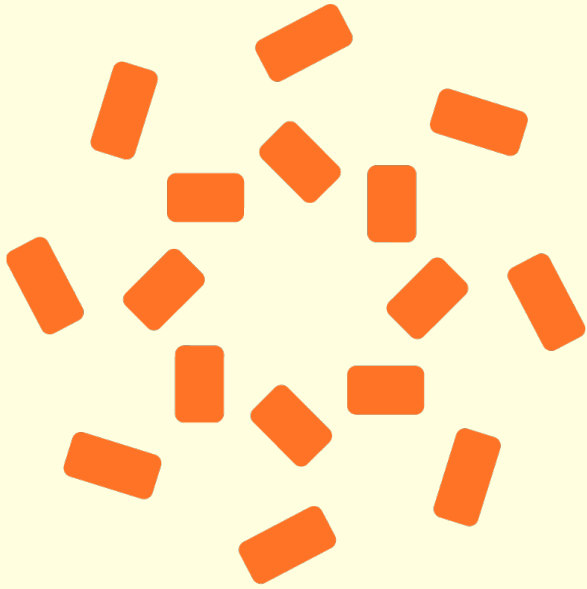
# SOME RULES FOR TODAY

- If propose something.....must be able to justify... WHY?
- If criticism.....must have a SOLUTION
- It's about DATA QUALITY!!!!



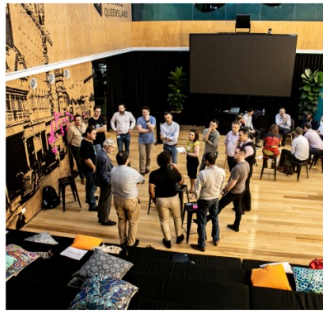


# Why Sparked – DOHAC perspective



# Sparked





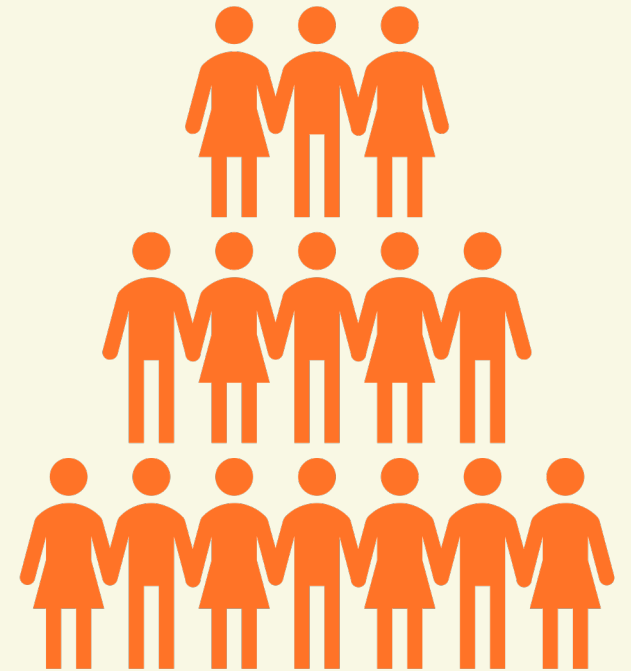
# What is Sparked?

Sparked is a **community** comprising **government, technology vendors, provider organisations, peak bodies, practitioners, and domain experts** to **accelerate the creation of common data models, definition of value sets and use of national FHIR standards** in health care information exchange.

Sparked is will be delivered by CSIRO, supported through a partnership of HL7 Australia, Department of Health and Aged Care, Australian Digital Health Agency, and CSIRO.

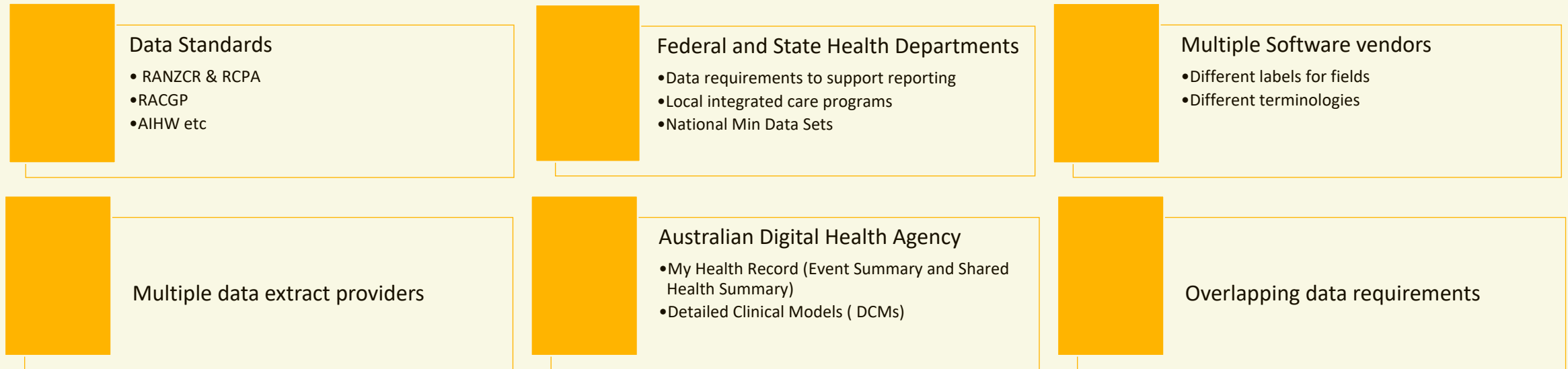
We are:

- ✓ Building a community to create open standards in high priority national use cases
- ✓ Government initiated and funded
- ✓ Working collaboratively with the international FHIR community, and other FHIR initiatives



# Why PCDQF?

There were no agreed common data sets or specifications for information exchange within Australia



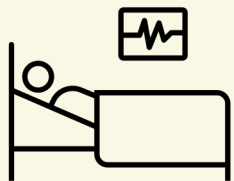
**An opportunity for harmonisation and alignment**



# Why – Seamless exchange but also Single Provision Multiple Use/Reuse

Improves clinician experience

- re use of data over different use cases
- better user interface



Triggers standardised knowledge related activities such as common decision support tools across systems, rather than a unique one per project or implementation

Provides a ready-made library of information models, value sets that can fast-track the development of new clinical systems, applications or projects.

Enables exchange of data with meaning between clinical systems



Supports interrogation of data sets using standardised queries, resulting in consistent data results

Supports safer and more accurate extracts, aggregation and analysis of primary care data (assuming appropriate privacy, consent and authorisation)

Reduces effort for practices, clinicians and software industry

# Gaps in the current ecosystem - Why



## Strong Foundations – a lot of work has been done!

What's missing?

- Accelerated development of FHIR specifications

### 1. Co-ordination

- Building community process
- Diversity in community
- Vision & roadmap

### 2. Development

- Clinical Co-design and Governance
- Supporting an open standards development process

### 3. Enabling Implementation

- Tooling to build, deploy and test FHIR specifications
- Implementation Guides

What's needed?

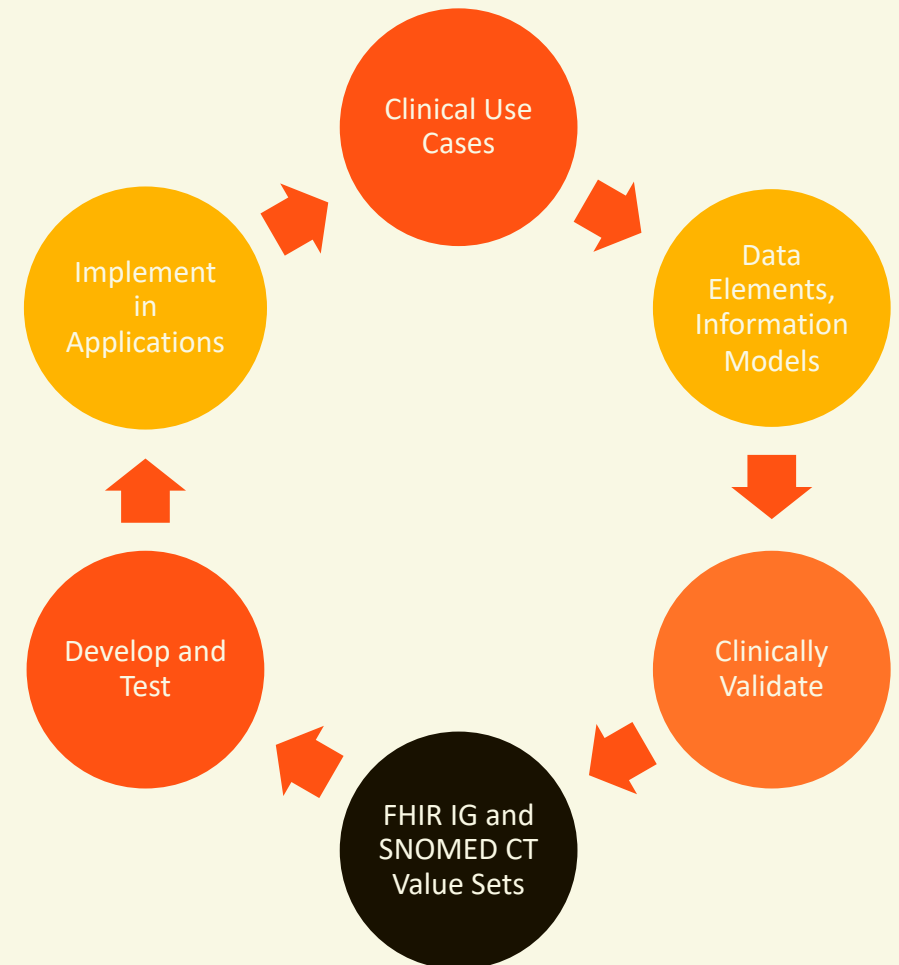
- A community led approach, no entity/jurisdiction can do this alone
- Lifecycle and operations management
- Must be repeatable, reusable and scalable
- Prioritisation and roadmap for implementation
- Must have clinical governance and co-design

# Approach to delivery

Open and  
transparent

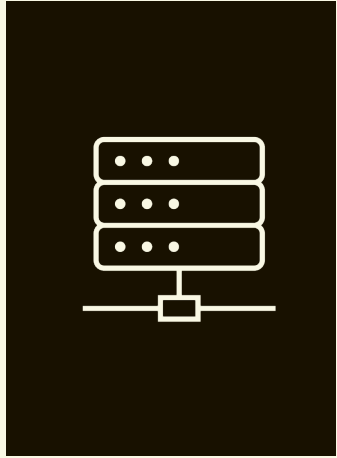
Consensus  
driven

Agile and  
iterative





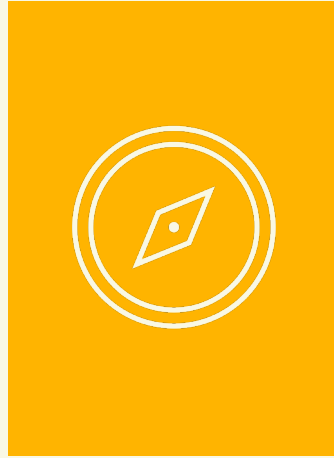
# AU FHIR Accelerator Scope



## AU Core Data Set for Interoperability (AUCDI)

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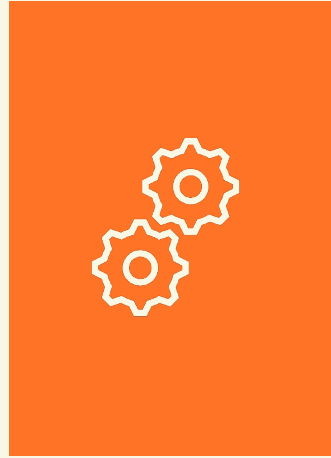
- AU Core
- AU eRequesting



## FHIR Implementation Guides

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- AU Core
- AU eRequesting



## Piloting of FHIR Standards

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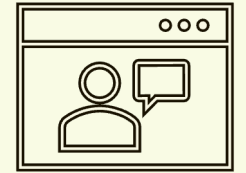
- Piloting of FHIR Standards, supported by infrastructure & tooling



## Reference Implementations

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- Services that support implementation and testing of FHIR based applications



## Clinical Terminology Value Sets

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- SNOMED CT and LOINC Value sets
- RANZCR
- RCPA

# FHIR Accelerator Benefits

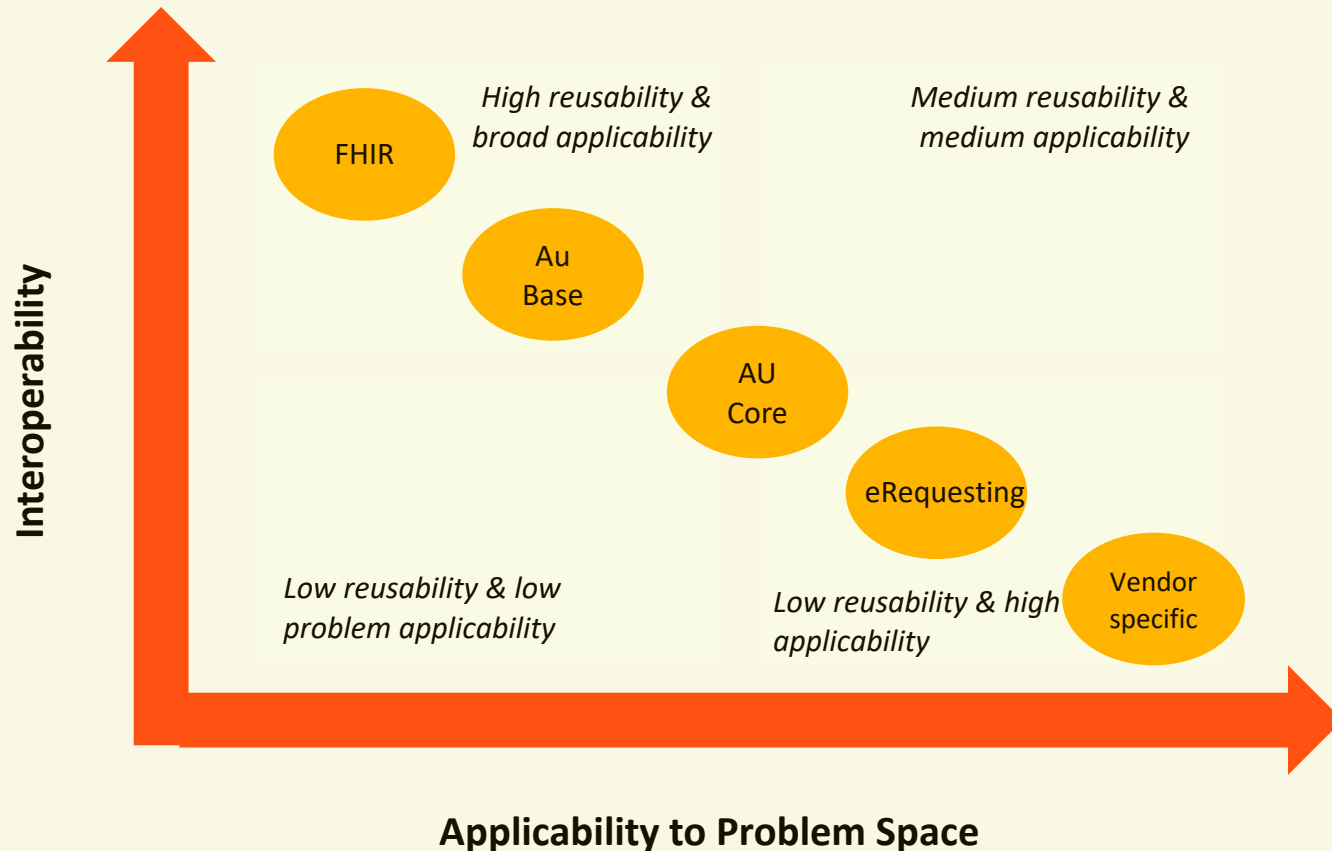




# AU Core R1 FHIR Implementation Guide & AU Core Data Set

**AU Core R1 FHIR IG - Delivers 80% of common health transactions and describes the 'How' of data exchange**

**AUCDI**



- focuses on core data required for patient data access and patient care (clinical data entry, clinical data use, data exchange and data reporting)
- is “content exchange standard agnostic”.

- AU Core R1 FHIR IG is utilised in most health service exchanges
- Other FHIR IG's will use AU Core R1 FHIR IG as well as their specific domain extensions e.g. eRequesting R1 FHIR IG



# AU Core FHIR Implementation Guide

- Implementable standard for FHIR based interfaces for provider and patient information systems in Australia
- Standardise exchange of core clinical information through FHIR Implementation Guide
- Data model and RESTful API interactions that set minimum expectations for a system to record, update, search, and retrieve core digital health and administrative information associated with a patient
- Useful in many interactions, easy to implement, supports use case specialisation for clinical workflows without requiring redevelopment of the core

## Product

AU Core FHIR Implementation Guides R1 for Trial Use\*

# About FHIR AU Core

- Implementable standard for FHIR based interfaces for provider and patient information systems in Australia
- Exchange standard for AU CDI (common data model)
- Data model and RESTful API interactions that set minimum expectations for a system to record, update, search, and retrieve core digital health and administrative information associated with a patient
- Useful in many interactions, easy to implement, supports use case specialisation for clinical workflows without requiring redevelopment of the core



allergies



immunisations



medications



prescriptions



problems



procedures



diagnostic results



vital signs



social determinants of health



encounters



patients



providers



# About FHIR AU Core

- Applications that conform to AU Core can access the following information about the patient from a system that conforms to AU Core:
  - Basic patient details
  - Problems / Conditions
  - Medication orders, dispense, administration and usage
  - Immunization history
  - Allergies and intolerances
  - Diagnostic orders, report, and results
  - Vital signs, and other clinical observations
  - Clinical notes & other patient documents



allergies



immunisations



medications



prescriptions



problems



procedures



diagnostic results



vital signs



social determinants of health



encounters

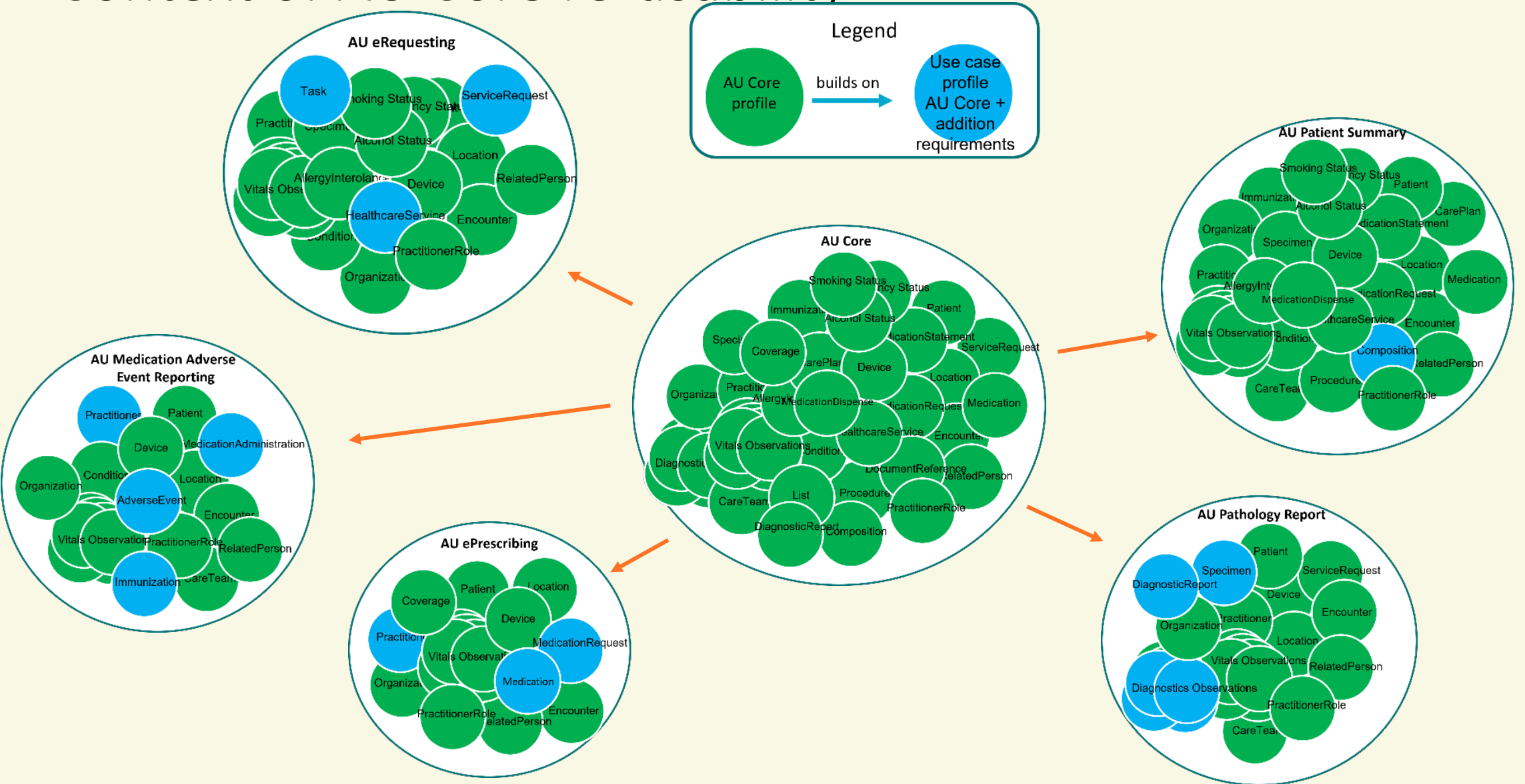


patients



providers

# Context of AU Core re-usability





# AU CDI and AU eRequest CDI – Data foundation for interoperability

- A standardised set of health data items and constituent data elements
- focuses on core data required for patient data access and patient care (clinical data entry, clinical data use, data exchange and data reporting)
- data items represent individual concepts: medication, allergy, procedure, health concern, service request etc.
- some data elements should be expressed using specific health IT vocabulary/terminology standards e.g. SNOMED CT, LOINC etc
- is “content exchange standard agnostic”. AU Core Data Set doesn’t specify how and to what extent its elements are included in FHIR or other exchange standards

## Product

AU -CDI



# Clinical Content Design Group

The Design Group will:

- Validate and define the data elements of the Australian Core Data Set (AUCDI) and eRequest CDI against the agreed use cases
- Validate the value sets required for the AUCDI and FHIR Implementation Guides
- Provide clinical requirements into the development and validation of the Core AU and eRequesting FHIR Implementation Guide

Membership

- The design group is open for any interested software developer, clinician, or domain expert to participate.

## Co-Leads

- Dr Chris Moy
- Others to be confirmed

3- 4 Face to Face meetings per year  
Monthly Meetings – Virtual  
Off-line review of content




# Join Sparked

<https://confluence.csiro.au/display/FHIR/SPARKED+-+AU+FHIR+Accelerator>

Pages / FHIR Accelerator

**SPARKED - AU FHIR Accelerator**  
Created by Nansi, Shikha (Pinpoint), last modified on Sep 22, 2023



**eRequesting**

**PLEASE NOTE:** This is a publicly available Confluence site. All To comment or contribute to this site, please log in with your PUMA acc Please see the [participant information](#)

**Our Purpose**

Sparked is a **community** comprising **government, technology vendors, provider or practitioners, and domain experts** to **accelerate the creation and use of national I care information exchange.**

Sparked is run by CSIRO's Australian eHealth Research Centre. exemplifies the collab

FHIR Accelerator

PAGE TREE

- SPARKED - AU FHIR Accelerator
  - Overview
  - How to Register - Participant Inf
  - Sparked Clinical Design Group
  - Products
  - Roadmap
  - Scope
  - Governance
  - Documentation
  - Gallery
  - FAQ - Sparked Frequently Asked
  - AU Core and AU eRequesting FHIR

Space tools

## Founding members

These organisations support the objectives of Sparked and have committed to active participation in the design groups and HL7 AU Connectathons. We welcome others to register their support.


















Where we have  
come from



# Primary Care Data Quality Foundations

## Consumer at the centre!

Good data design must:

- Start by understanding me (the individual patient themselves).
- Focus on the data that supports my care.
- Monitor the wellbeing of my Community.
- Core data models and standards should remain consistent
- Focus on primary use of data-don't start with reporting requirements



# Objectives of the PCDQF

- Enable quality data, ensuring it is available as atomic data, appropriately structured and standardised
- Promote contemporary platforms that deliver system efficiency and data reuse.
- Enable access to data, within agreed data governance and sovereignty frameworks.
- Enhance decision support that's integrated within workflow
- Support better informed decisions at practice, regional and national levels



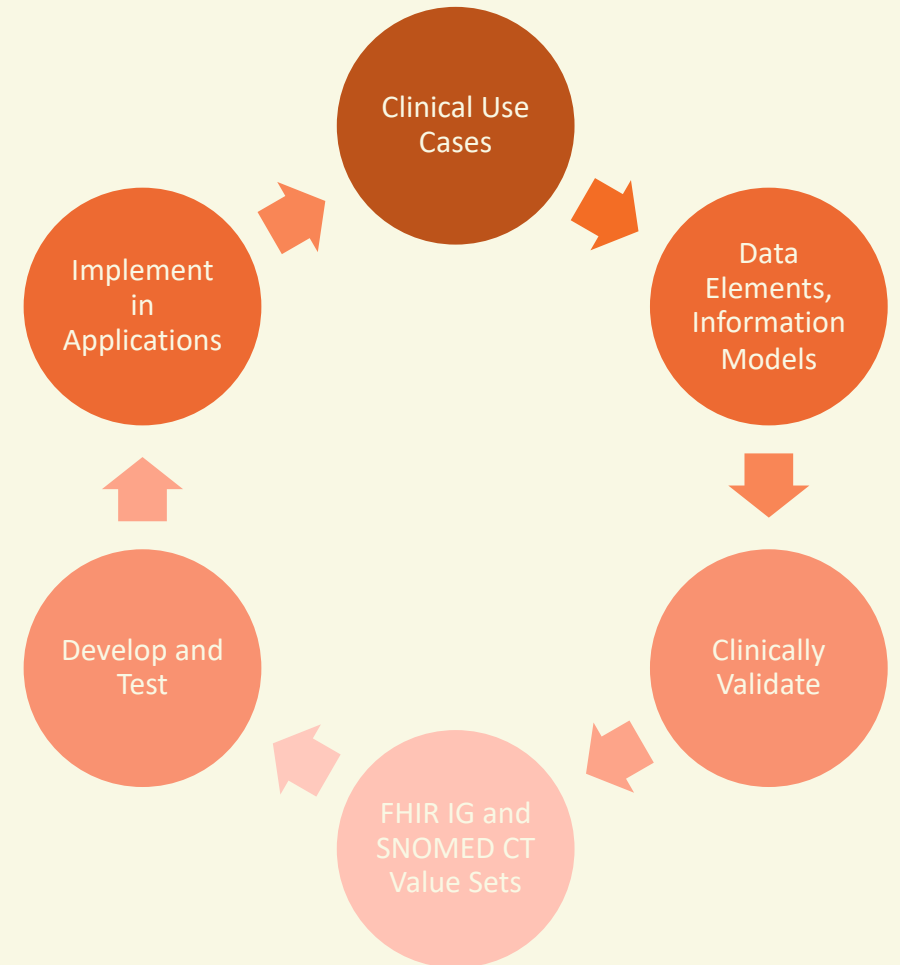
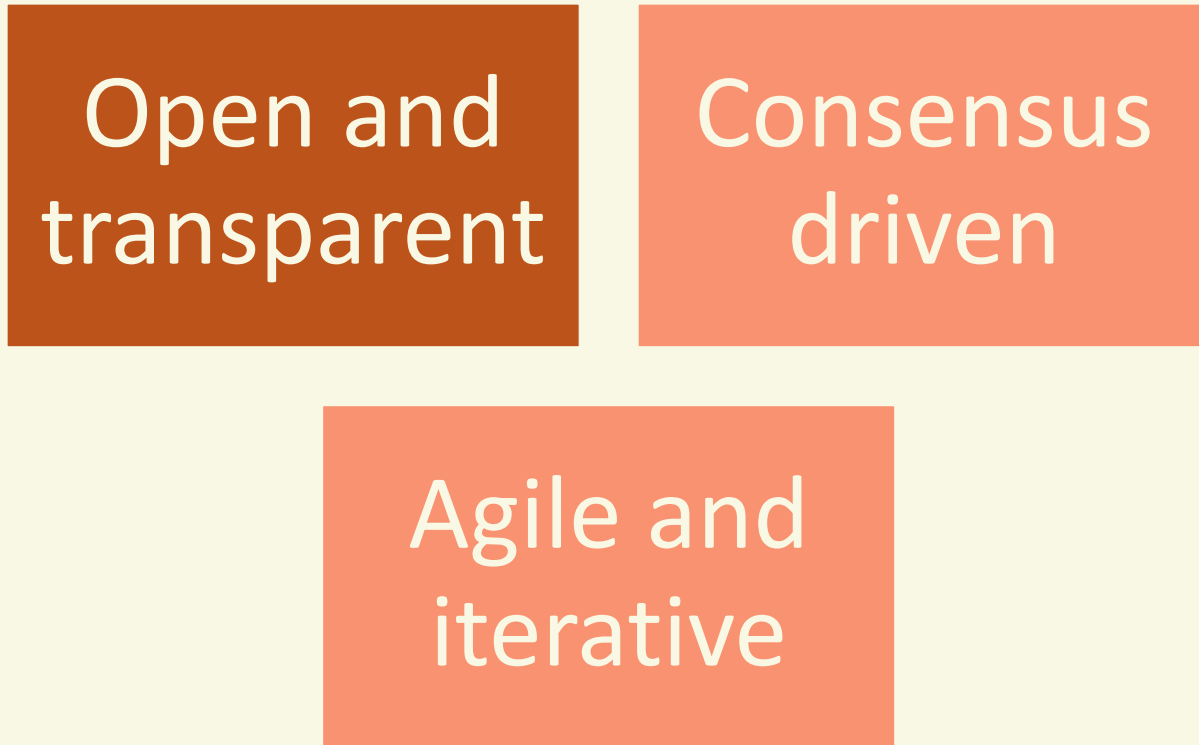


# Core Principles of Design

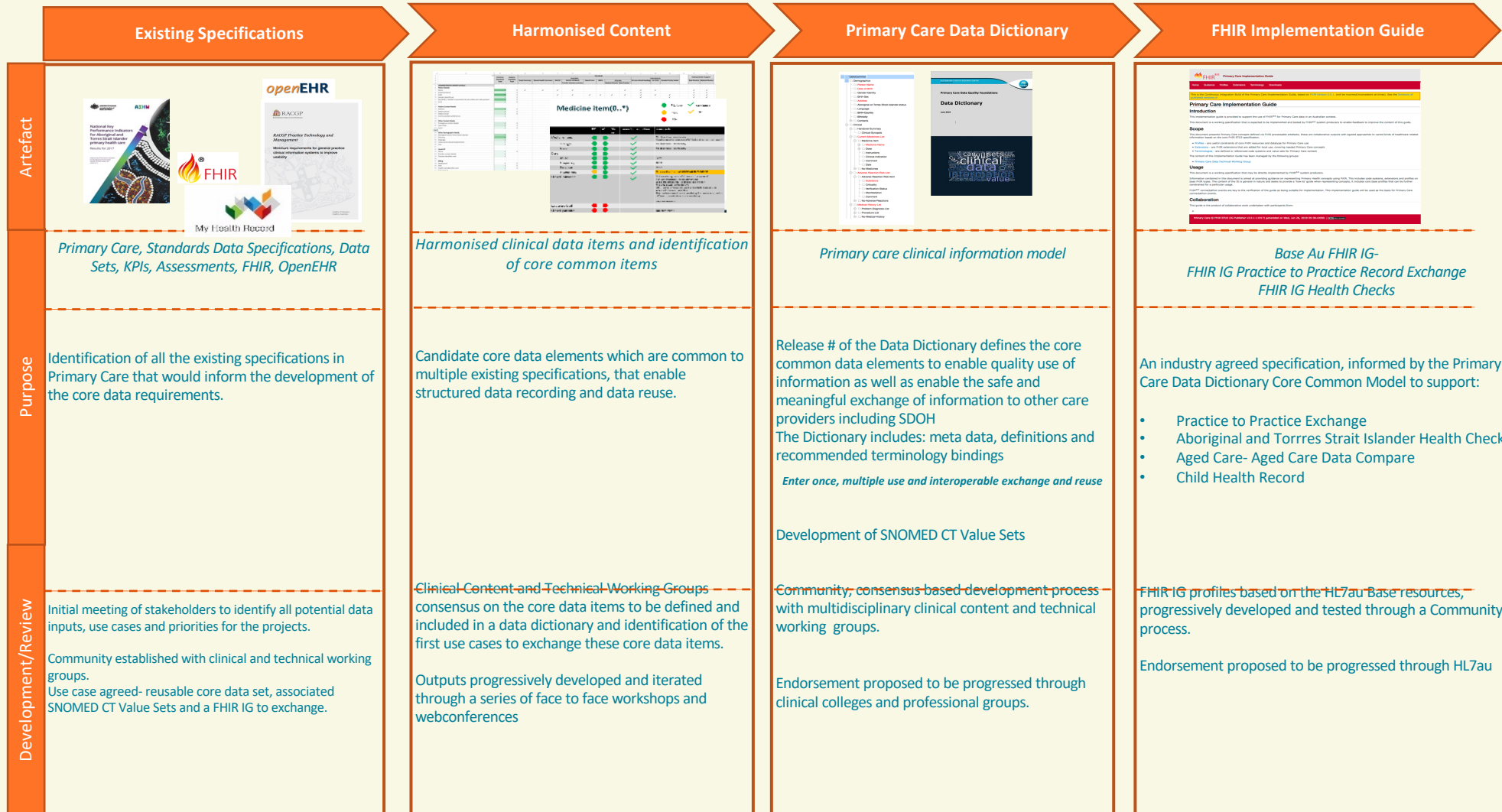
- Single entry, single development - multiple use and reuse
- Driven by a clinical safety use case
- Reduce duplication of effort
- Not data for data's sake
- Driven by primary use not secondary use needs
- Systems can support now or with minimal effort
- Standards based



# Core principles for the approach to delivery

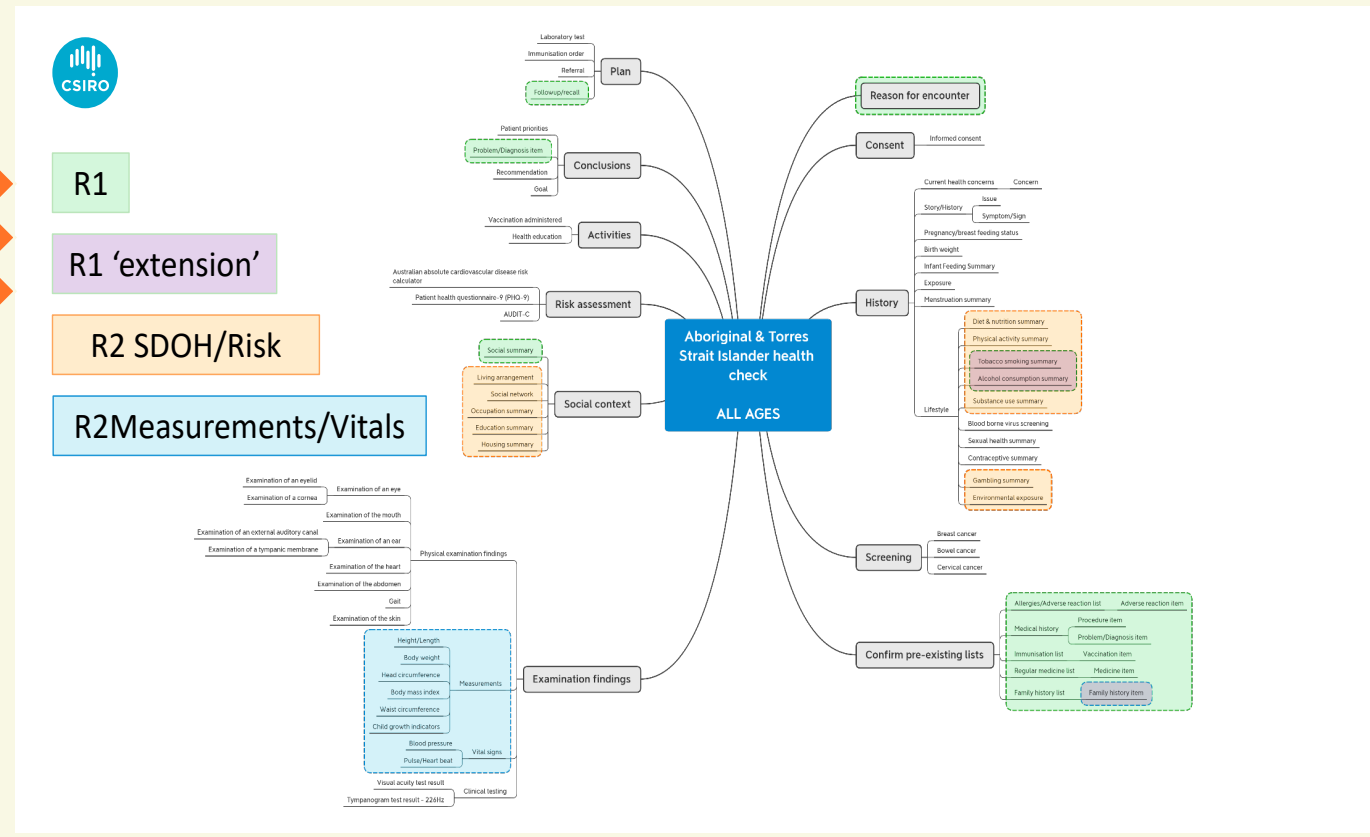
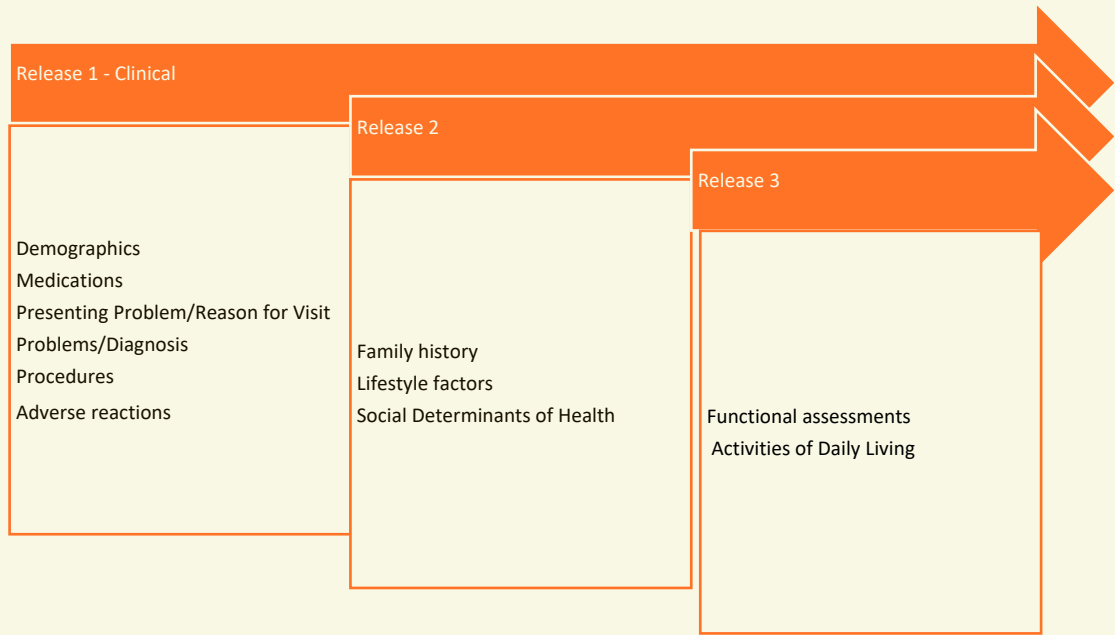


# Our Process on a Page





# Core Data Model and Value Sets



# Single definition - Use and Reuse

Common Core Data Model - potential for re-use <small>(Primary Care Data Quality Improvement work program 2019)</small>		Data sets																																											
		Transfer of care						Health records						Clinical decision support						National shared records						MBS assessments						Reporting						Shared care plans							
		Practice to Practice transfer	Referral	Discharge summary (MBS718)	Shared Health Summary (MBS718)	Event Summary (MBS718)	Hospital to Aged care transfer	GP consultation	Diabetes specialist consultation	A&E consult	First antenatal visit	Paediatric consult	Progress note	Laboratory test result	Imaging test result	Nursing observation chart	Medication chart	Operation report	Medical history/Problem list	Medication list	Adverse reaction list	Family history list	Therapeutic precautions list	Lifestyle factors	Social summary	Reminders & recalls	Adverse event report	Foundation data for any CDSS	National Child health record	National health record	National pregnancy record	GP Management plan (MBS 721)	Team care arrangements (MBS 723)	Health assessment for ATSI (MBS 715)	PHQ	Pregnancy care plan	Diabetes care plan	Central							
Core Information models		Re-use	54	36	41	38	21	48	30	30	39	45	35	17	1	1	10	12	13	8	3	3	3	6	7	5	2	6	42	37	55	20	20	49	13	6	6	6	3						
<b>Vaccinations</b>																																													
Immunisation summary	9	1										1	1																1		1						1		1						
Vaccination order	6																																												
Vaccination activity	17	1	1	1	1	1	1		1		1	1	1	1																															
Exclusion of Vaccination	8	1	1	1	1	1	1																																						
Absence of Vaccination	8	1	1	1	1	1	1																																						
<b>Medical history</b>																																													
<b>Problem/Diagnosis</b>																																													
Problem/Diagnosis	22	1	1	1	1	1	1		1	1	1	1	1	1																															
Exclusion of Problem/Diagnosis	13	1	1	1	1	1	1																																						
Absence of Problem/Diagnosis	11	1	1	1	1	1	1																																						
Nursing diagnosis	4						1																																						
<b>Procedure</b>																																													
Procedure	21	1	1	1	1	1	1		1	1	1	1	1	1																															
Exclusion of Procedure	13	1	1	1	1	1	1																																						
Absence of Procedure	11	1	1	1	1	1	1																																						
<b>Adverse reaction</b>																																													
Adverse reaction risk	21	1	1	1	1	1	1		1	1	1	1	1																																
Exclusion of Adverse reaction risk	16	1	1	1	1	1	1																																						
Absence of Adverse reaction risk	13	1	1	1	1	1	1																																						
<b>Family history</b>																																													
Family history summary	14	1	1	1	1	1	1																																						
Exclusion of Family history	12	1	1	1	1	1	1																																						
Absence of Family history	8	1	1	1	1	1	1																																						
<b>Health risk</b>																																													
Health risk assessment/factors	14	1					1		1	1	1	1	1																																
Precautions	16	1	1	1			1																																						
Contraindications	16	1	1	1	1	1	1																																						
Adverse event	6				1		1																																						
<b>Care planning</b>																																													
Follow-up	20	1	1	1	1	1	1		1	1	1	1	1																																
Exclusion of Follow-up	9	1			1	1	1																																						
Service request	19	1	1	1	1	1	1		1	1	1	1	1																																
Goal	15	1	1				1		1	1	1	1																																	
<b>Diagnostics</b>																																													
Laboratory test order	15	1			1	1	1		1	1	1	1	1																																
Laboratory test results	18	1	1	1	1	1	1		1	1	1																																		
Imaging test order	15	1			1	1	1		1	1	1	1	1																																
Imaging test results	14	1	1	1	1	1	1		1	1	1																																		
Pulmonary function tests	4						1																																						
ECG	Calendar	1	1	1	1	1	1		1	1	1																																		
<b>Lifestyle factors</b>																																													
Alcohol consumption summary	13	1	1	1	1	1	1																																						



# Outcomes

- Funded by Department of Health
- Commenced in October 2018
- Community of over 120 who continued on the Journey over the 5 years
- Delivered 3 Releases of a core data model for AU primary care domain and associated maximal SNOMED CT value sets which can be reused across multiple use cases. Fed in AU Base and AU Core- basis now for AU-CDI
- Delivered Gp2GP IG- aligns largely to IPS
- Training Material on Data Quality
- Delivered Smart Health Check and App- going into Pilot stage
- Model being applied to other use cases – Child Health Record, Aged Care. Informed work in other countries- Canada adopting approach
- Increased clinician awareness around the value of structured data to support reuse.




# Existing national clinical information models

Agency has a significant catalogue of clinical information model work underpinning the My Health Record document capabilities.

Agency has fed that work into AU Base & AU Core. The former NEHTA Detailed Clinical Models have informed the FHIR Standard.

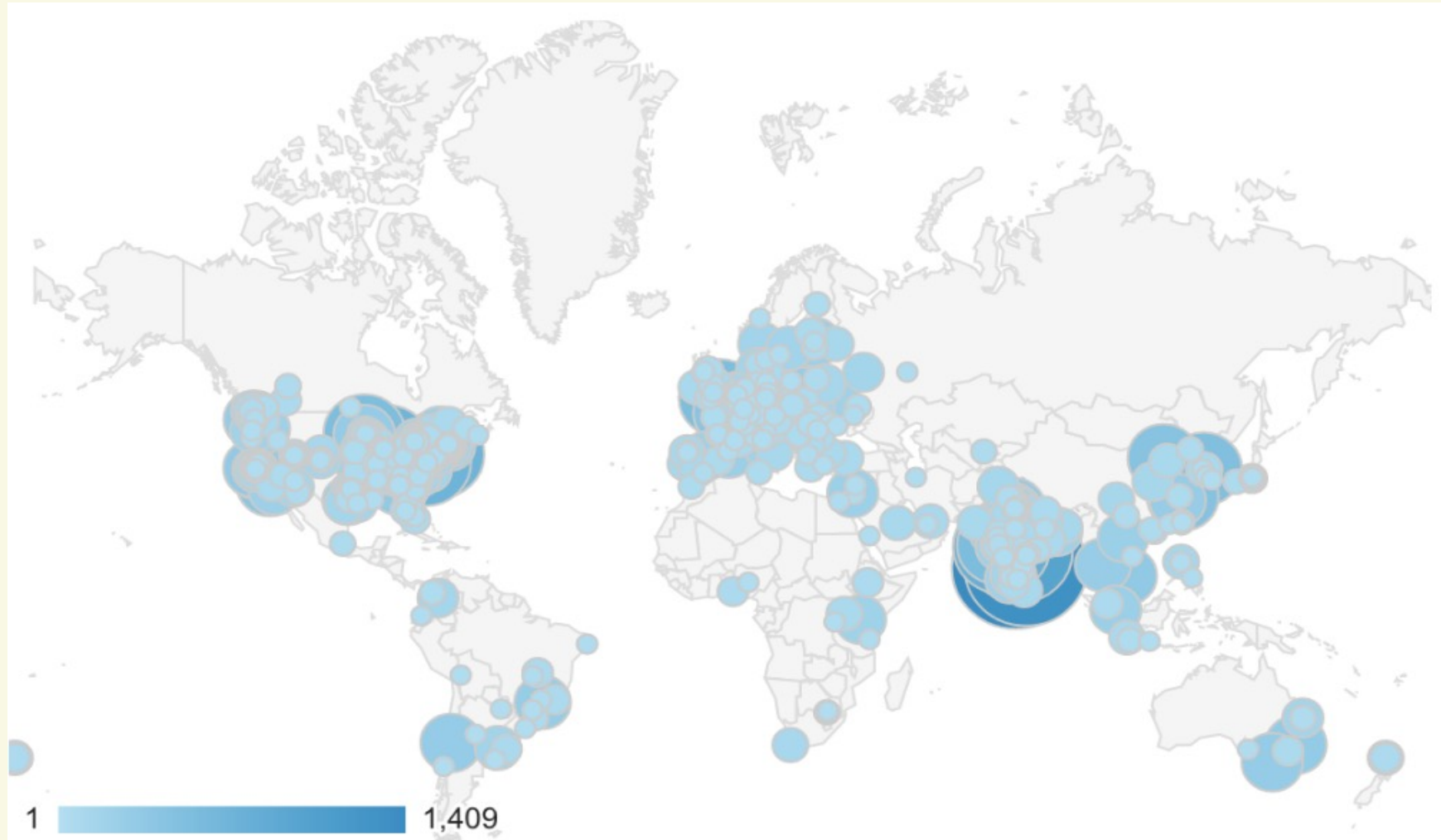
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What's happening  
around the world?



# FHIR - a Global Phenomenon



# US: 21<sup>st</sup> Century Cures Act

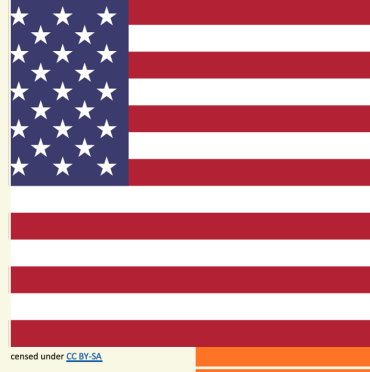


Mandates EHR FHIR Gateways for Patients  
U.S. Core Data for Interoperability (USCDI)  
Outlaws Data Blocking



# Canada

- [Pan Canadian Health Data Strategy](#) (pCHDS)
  - Modernising Data Collection in a standardised way to allow sharing
  - Streamlining the approach to Privacy
  - Clarifying accountability and Health data Governance
- CIHI Reference Data Model (CRDM)
  - Concepts (categories of data) that are of interest to CIHI — concepts can be a person, thing, place or event;
  - Relationships between the concepts; and
  - Core attributes — key information about each concept.



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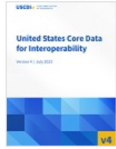
# USA

- 21<sup>st</sup> Century Cures Act
- ONC
- The USCDI is a set of structured data elements that can be exchanged between electronic health records (EHRs) and other health information systems in the United States under the Cures Act final rule.
- The goal of the USCDI is to support interoperability in healthcare by standardizing the way that health information is represented, making it easier for different systems to exchange data while maintaining privacy and security.

For data class description and applicable standards supporting data elements, click to view the USCDI Version 1 (July 2020 errata) in PDF format below.



[Click to View USCDI V1](#)



[Click to View USCDI V4](#)



[Click to View USCDI V2](#)



[Click to View USCDI V3](#)

[Previous USCDI Versions](#)

The USCDI ONC New Data Element and Class (ONDEC) Submission System supports a predictable, transparent, a collaborative process, allowing health stakeholders to submit new data elements and classes for future versions of USCDI. [Click here for more information and to submit new data](#)

## United States Core Data for Interoperability (USCDI)

The United States Core Data for Interoperability (USCDI) is a standardized set of health data elements for nationwide, interoperable health information exchange. Review the [USCDI](#)

**A USCDI Data Class is an aggregation of Data Elements by a common theme or use case.**

**A USCDI Data Element is a piece of data defined in USCDI for access, exchange or use.**

[USCDI ONC New Data Element & Class \(ONDEC\) Submission System](#)

**With the publication of USCDI v4, ONC is accepting submissions for new data element submissions and comments is September 20, 2023 at 11:59 p.m. ET. Submissions received for USCDI v6.**

- [USCDI V1](#)
- [USCDI V2](#)
- [USCDI V3](#)
- [USCDI V4](#)**
- [Level 2](#)

elements and classes for future versions of USCDI. [Click here](#) for more information and to submit new data elements.

The USCDI standard will follow the [Standards Version Advancement Process](#) described in the Cures rule to allow health IT developers to update their systems to newer version of USCDI and provide these updates to their customers.

<p><b>Clinical Notes</b></p> <p>Narrative patient data relevant to the context identified by note types.</p> <p><a href="#">Consultation Note</a>  <a href="#">Discharge Summary Note</a>  <a href="#">History &amp; Physical</a>  <a href="#">Procedure Note</a>  <a href="#">Progress Note</a></p>	<p><a href="#">Health Concerns</a>  <a href="#">Functional Status</a>  <a href="#">Disability Status</a>  <a href="#">Mental/Cognitive Status</a>  <a href="#">Pregnancy Status</a>  <a href="#">Alcohol Use</a>  <a href="#">Substance Use</a>  <a href="#">Physical Activity</a>  <a href="#">SDOH Assessment</a>  <a href="#">Smoking Status</a></p>	<p><a href="#">Previous Address</a>  <a href="#">Phone Number</a>  <a href="#">Phone Number Type</a>  <a href="#">Email Address</a>  <a href="#">Related Person's Name</a>  <a href="#">Relationship Type</a>  <a href="#">Occupation</a>  <a href="#">Occupation Industry</a></p>
<p><b>Clinical Tests</b></p> <p>Non-imaging and non-laboratory tests performed that result in structured or unstructured findings specific to the patient to facilitate the diagnosis and management of conditions.</p> <p><a href="#">Clinical Test</a>  <a href="#">Clinical Test Result/Report</a></p>	<p><b>Immunizations</b></p> <p>Record of vaccine administration.</p> <p><a href="#">Immunizations</a></p>	<p><b>Patient Summary and Plan</b></p> <p>Conclusions and working assumptions that will guide treatment of the patient, and recommendations for future treatment.</p> <p><a href="#">Assessment and Plan of Treatment</a></p>
<p><b>Diagnostic Imaging</b></p> <p>Tests that result in visual images requiring interpretation by a credentialed professional.</p> <p><a href="#">Diagnostic Imaging Test</a>  <a href="#">Diagnostic Imaging Report</a></p>	<p><b>Laboratory</b></p> <p>Analysis of clinical specimens to obtain information about the health of a patient.</p> <p><a href="#">Tests</a>  <a href="#">Values/Results</a>  <a href="#">Specimen Type</a>  <a href="#">Result Status</a>  <a href="#">Result Unit of Measure</a>  <a href="#">Result Reference Range</a>  <a href="#">Result Interpretation</a>  <a href="#">Specimen Source Site</a>  <a href="#">Specimen Identifier</a>  <a href="#">Specimen Condition Acceptability</a></p>	<p><b>Problems</b></p> <p>Condition, diagnosis, or reason for seeking medical attention.</p> <p><a href="#">Problems</a>  <a href="#">SDOH Problems/Health Concerns</a>  <a href="#">Date of Diagnosis</a>  <a href="#">Date of Resolution</a></p> <p><b>Procedures</b></p> <p>Activity performed for or on a patient as part of the provision of care.</p>

### Allergies and Intolerances

Harmful or undesired physiological responses associated with exposure to a substance.

- [Substance \(Medication\)](#)
- [Substance \(Drug Class\)](#)
- [Substance \(Non-Medication\)](#)
- [Reaction](#)

### Care Team Member(s)

Information on a person who participates or is expected to participate in the care of a patient.

- [Care Team Member Name](#)
- [Care Team Member Identifier](#)
- [Care Team Member Role](#)
- [Care Team Member Location](#)
- [Care Team Member Telecom](#)

### Clinical Notes

Narrative patient data relevant to the context identified by note types.

- [Consultation Note](#)
- [Discharge Summary Note](#)
- [History & Physical](#)
- [Procedure Note](#)
- [Progress Note](#)

### Health Insurance Information

Data related to an individual's insurance coverage for health care.

- [Coverage Status](#)
- [Coverage Type](#)
- [Relationship to Subscriber](#)
- [Member Identifier](#)
- [Subscriber Identifier](#)
- [Group Identifier](#)
- [Payer Identifier](#)

### Health Status Assessments

Assessments of a health-related matter of interest, importance, or worry to a patient, patient's family, or patient's healthcare provider that could identify a need, problem, or condition.

- [Health Concerns](#)
- [Functional Status](#)
- [Disability Status](#)
- [Mental/Cognitive Status](#)
- [Pregnancy Status](#)
- [Alcohol Use](#)
- [Substance Use](#)
- [Physical Activity](#)
- [SDOH Assessment](#)
- [Smoking Status](#)

### Encounter Disposition

### Facility Information

Physical place of available services or resources.

- [Facility Identifier](#)
- [Facility Type](#)
- [Facility Name](#)

### Goals and Preferences

Desired state to be achieved by a person or a person's elections to guide care.

- [Patient Goals](#)
- [SDOH Goals](#)
- [Treatment Intervention Preference](#)
- [Care Experience Preference](#)

### Patient Demographics/Information

Data used to categorize individuals for identification, records matching, and other purposes.

- [First Name](#)
- [Last Name](#)
- [Middle Name \(including middle initial\)](#)
- [Name Suffix](#)
- [Previous Name](#)
- [Date of Birth](#)
- [Date of Death](#)
- [Race](#)
- [Ethnicity](#)
- [Tribal Affiliation](#)
- [Sex](#)
- [Sexual Orientation](#)
- [Gender Identity](#)
- [Preferred Language](#)
- [Current Address](#)
- [Previous Address](#)
- [Phone Number](#)
- [Phone Number Type](#)
- [Email Address](#)
- [Related Person's Name](#)
- [Relationship Type](#)
- [Occupation](#)
- [Occupation Industry](#)

### Patient Summary and Plan

Conclusions and working assumptions that will guide treatment of the patient, and recommendations for future treatment.

The metadata, or extra information about data, regarding who created the data and when it was created.

- [Author Time Stamp](#)
- [Author Organization](#)

### Medications

Pharmacologic agents used in the diagnosis, cure, mitigation, treatment, or prevention of disease.

- [Medications](#)
- [Dose](#)
- [Dose Unit of Measure](#)
- [Indication](#)
- [Fill Status](#)
- [Medication Instructions](#)
- [Medication Adherence](#)

### Vital Signs

Physiologic measurements of a patient that indicate the status of the body's life sustaining functions.

- [Systolic Blood Pressure](#)
- [Diastolic Blood Pressure](#)
- [Average Blood Pressure](#)
- [Heart Rate](#)
- [Respiratory Rate](#)
- [Body Temperature](#)
- [Body Height](#)
- [Body Weight](#)
- [Pulse Oximetry](#)
- [Inhaled Oxygen Concentration](#)
- [BMI Percentile \(2 - 20 years\)](#)
- [Weight-for-length Percentile \(Birth - 36 Months\)](#)
- [Head Occipital-frontal Circumference Percentile \(Birth - 36 Months\)](#)





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# UK

- PRSB
  - The Professional Record Standards Body (PRSB) was established in 2013 to ensure that there are consistent standards for care records.
  - Funded by NHS, the aim is to develop clinical standards for health and care records, as approved by the Academy of Royal Medical Colleges.
- Summary care record
- NHS England Portable Care record

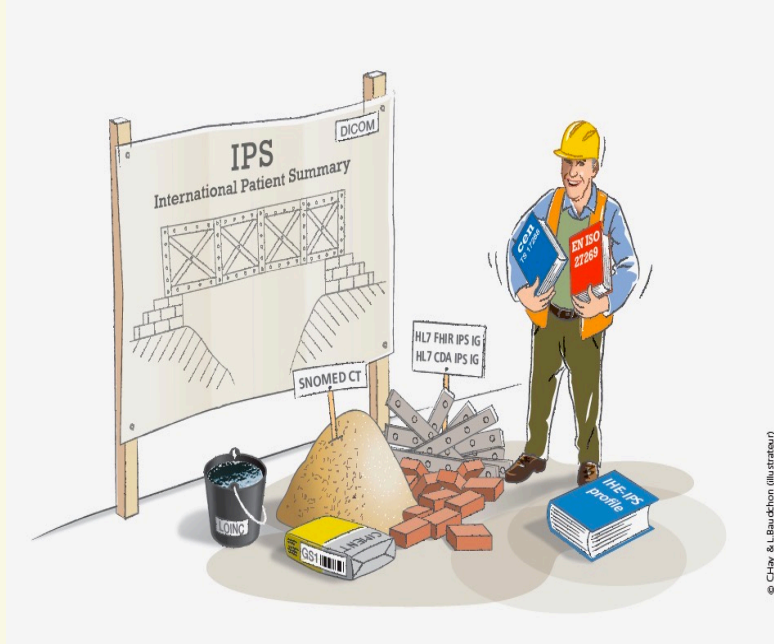


# G7 & G20

- Commitment to working towards adopting a standardised minimum health dataset for patients' health information, including through the **International Patient Summary (IPS)** standard; developing internationally shared principles for enabling patient access to health data; and promoting the use of open standards for health data.



# International Patient Summary



© Chris & L. Bauckhoo (Illustration)

## 1 International Patient Summary Implementation Guide

Official URL: <a href="http://hl7.org/fhir/uv/ips/ImplementationGuide/hl7.fhir.uv.ips">http://hl7.org/fhir/uv/ips/ImplementationGuide/hl7.fhir.uv.ips</a>	Version: 1.1.0
IG Standards status: <a href="#">Trial-use</a>	Maturity Level: 2
Page standards status: <a href="#">Informative</a>	
Computable Name: InternationalPatientSummaryIG	

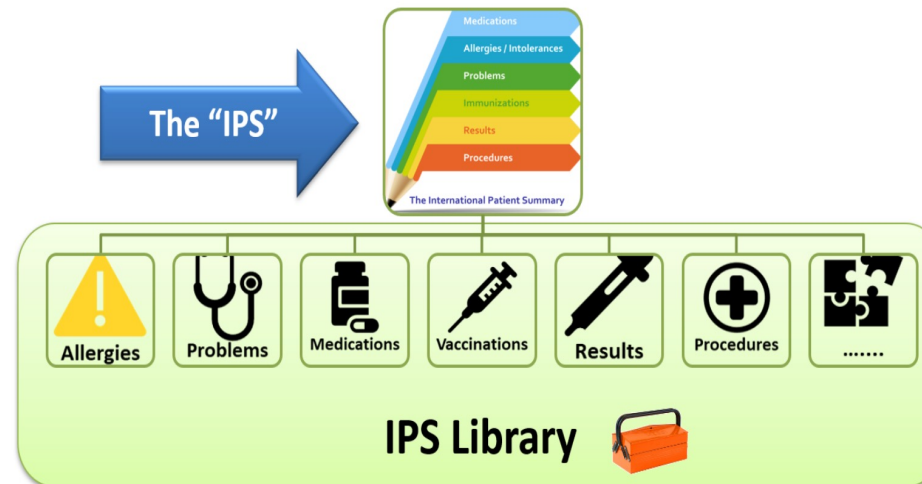
An **International Patient Summary (IPS)** document is an electronic health record extract containing essential healthcare information about a subject of care. As specified in EN 17269 and ISO 27269, it is designed for supporting the use case scenario for 'unplanned, cross border care', but it is not limited to it. It is intended to be international, i.e., to provide generic solutions for global application beyond a particular region or country.

The IPS dataset is **minimal and non-exhaustive; specialty-agnostic and condition-independent; but still clinically relevant.**

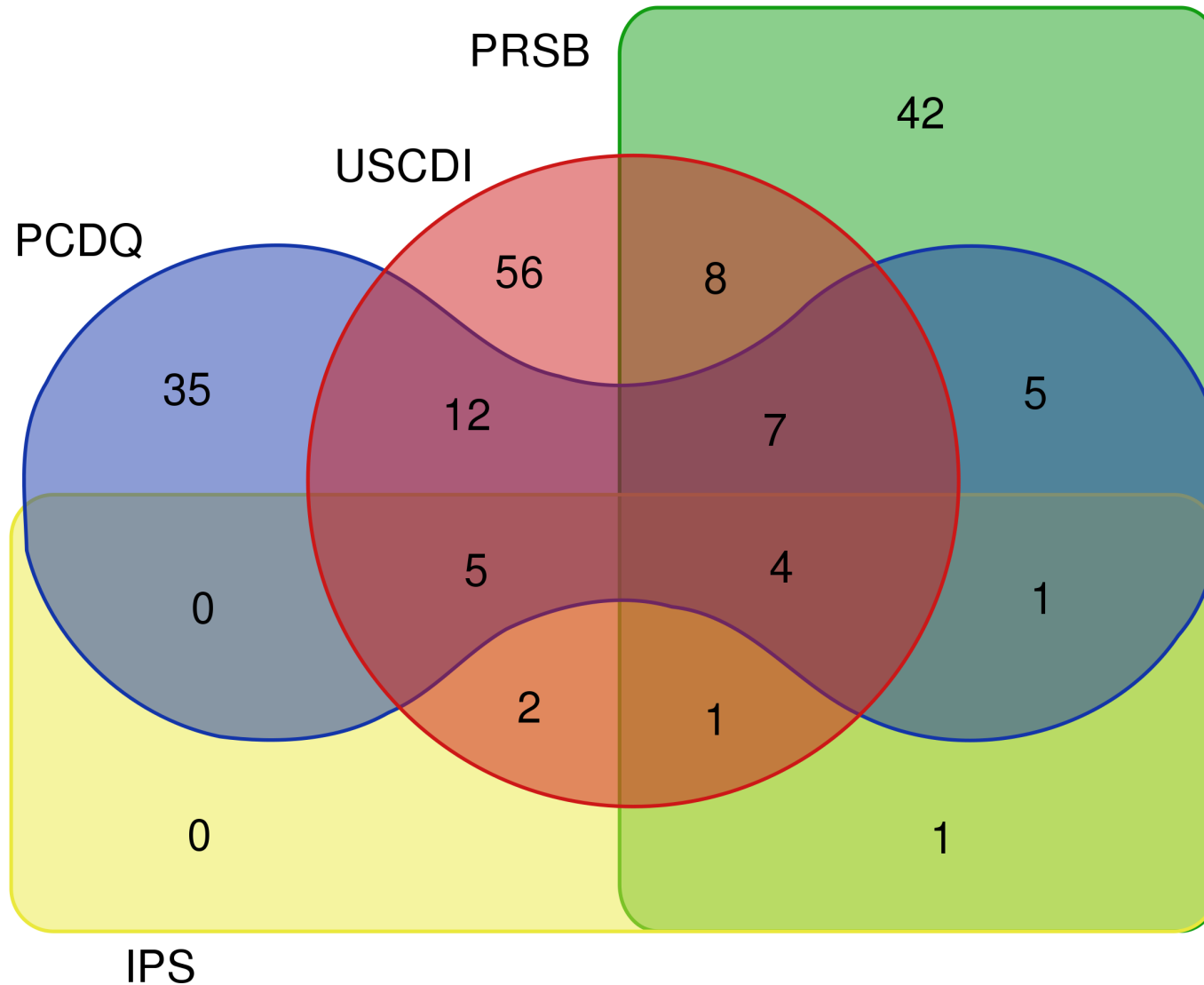
The IPS document is composed by a set of robust, well-defined and potentially reusable sets of core data items (indicated as IPS library in the figure below). The tight focus of the IPS on unplanned care is in this case not a limitation, but, on the contrary, facilitates their potential re-use beyond the IPS scope.

- Purpose
- Project Background
- Project Scope
- Relationships with Other Projects and Guidelines
- Ballot Status
- Dependencies
- Cross Version Analysis
- Global Profiles
- Authors and Contributors

Figure 1: The IPS product and by-products



# Comparison between PCDQ,USCDI, IPS, PRSB



## Greatest alignment

Adverse Reaction  
Problem Diagnosis  
Medication  
Tobacco/Smoking  
Vaccination

This is a high- level  
comparison of data  
elements  
Depth of coverage was not  
considered

# Comparison between PCDQ,USCDI, IPS, PRSB

List names	number of elements
IPS	14
PCDQ	69
PRSB	69
USCDI	95

Names	total	elements
IPS PCDQ PRSB USCDI	4	Adverse reaction/Allergy risk summary Alcohol consumption summary Problem/Diagnosis summary Procedure summary
PCDQ PRSB USCDI	7	Social summary Education summary Vaccination record Occupation summary Encounter Goal Family history summary
IPS PCDQ USCDI	5	Medication order Expected due date Pregnancy summary Imaging examination results Laboratory test results
IPS PCDQ PRSB	1	Tobacco smoking summary
IPS PRSB USCDI	1	Pregnancy status
PCDQ USCDI	12	Personal safety summary Alcohol Use Disorders Identification Test (AUDIT) Ethnicity Food and nutrition summary Sexual health summary Support network summary Last menstrual period Gender Exposure summary Transport access summary Medical care/services Body mass index
PCDQ PRSB	5	Medication screening Consent for health information sharing Substance use summary Physical examination Problem list
PRSB USCDI	8	Immigration/Refugee status Living arrangement summary/Household Mobility needs Mental/Cognitive status Referrals Procedures & therapies list Advance directive Medical power of attorney
IPS USCDI	2	Observations Medical device summary
IPS PRSB	1	Medication statement

This is a high- level comparison of data elements  
Depth of coverage was not considered



The background is a solid dark color, possibly black or very dark grey. It is decorated with several dark grey, rounded rectangular shapes of various sizes and orientations, scattered across the frame. These shapes resemble stylized tea leaves or pieces of paper.

Morning tea





Why a common  
core data model?

# Clinical perspective

Rob Hosking, Jo Wright

# Industry perspective

Marvin Malcolm, Danielle Bancroft

Local/PHN reporting  
perspective  
Nick McGhie

# National reporting perspective

AIHW

What's your why?





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Lunch

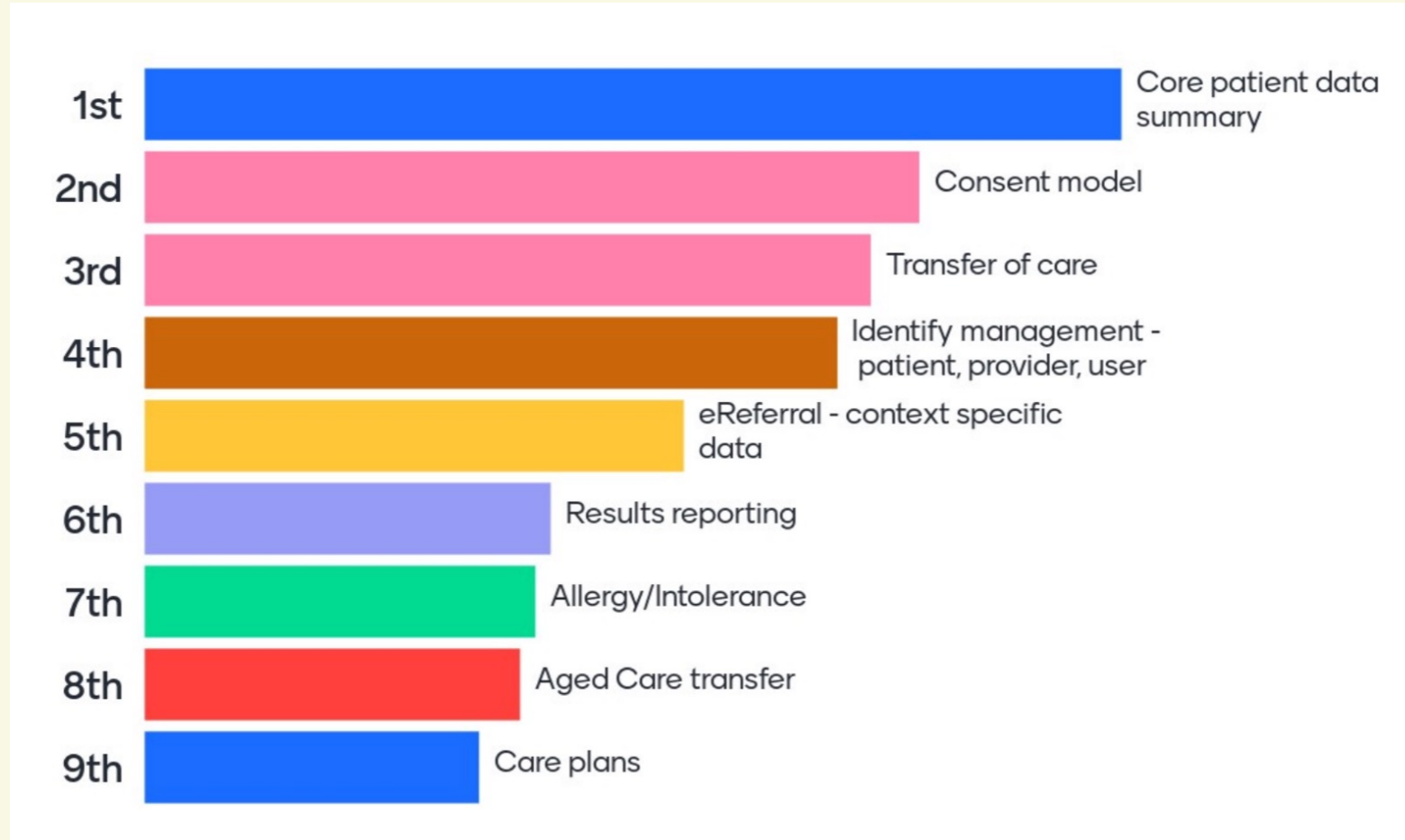




Workshop activity



# Sparked launch use case priority ranking





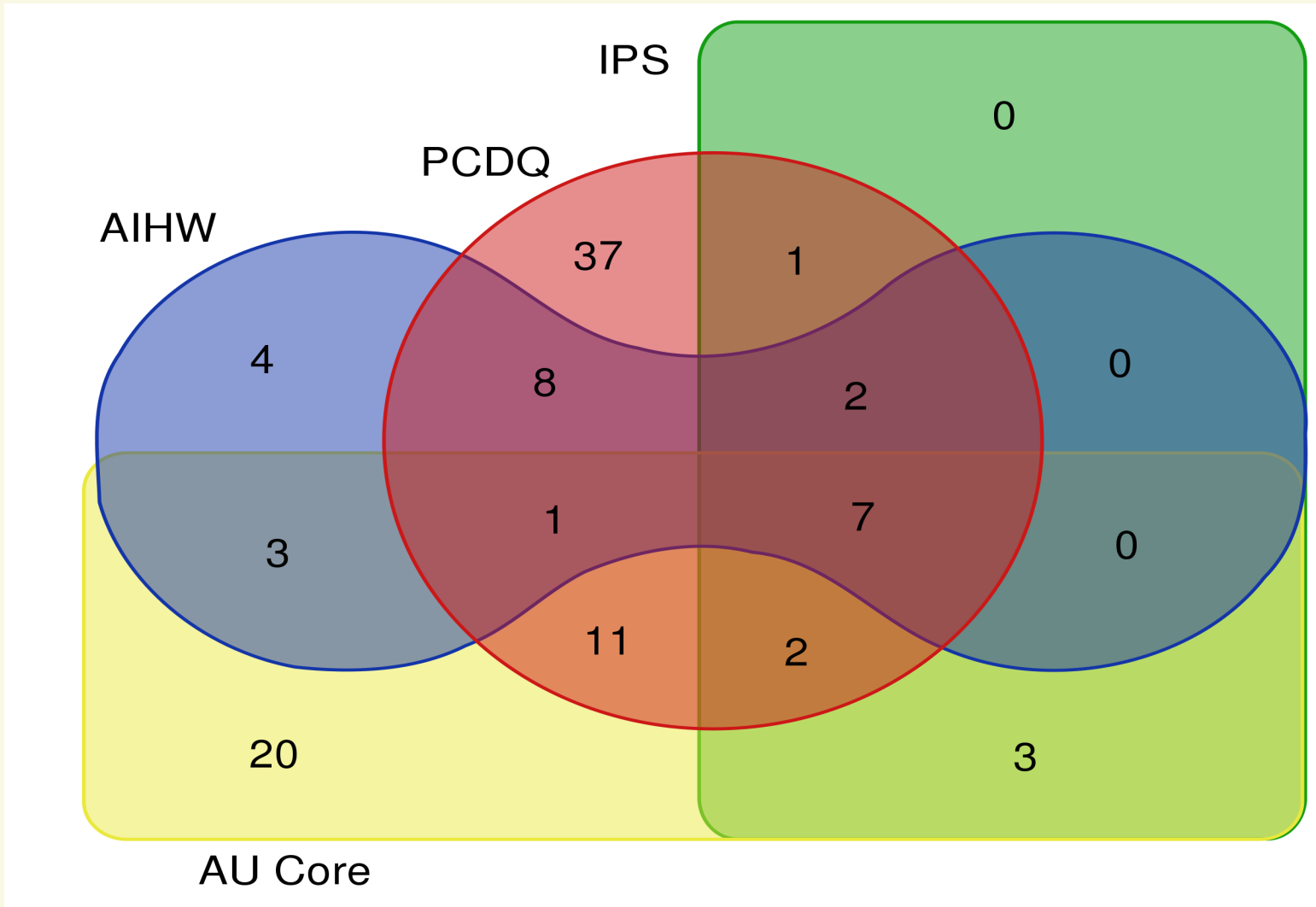
# Workshop activity 1

What are the Priority Use Cases?

As an individual think about your top 3 priorities for the use of AU CDI-  
put them on Post it notes

As a group share and discuss and decide top 3 priorities and why.

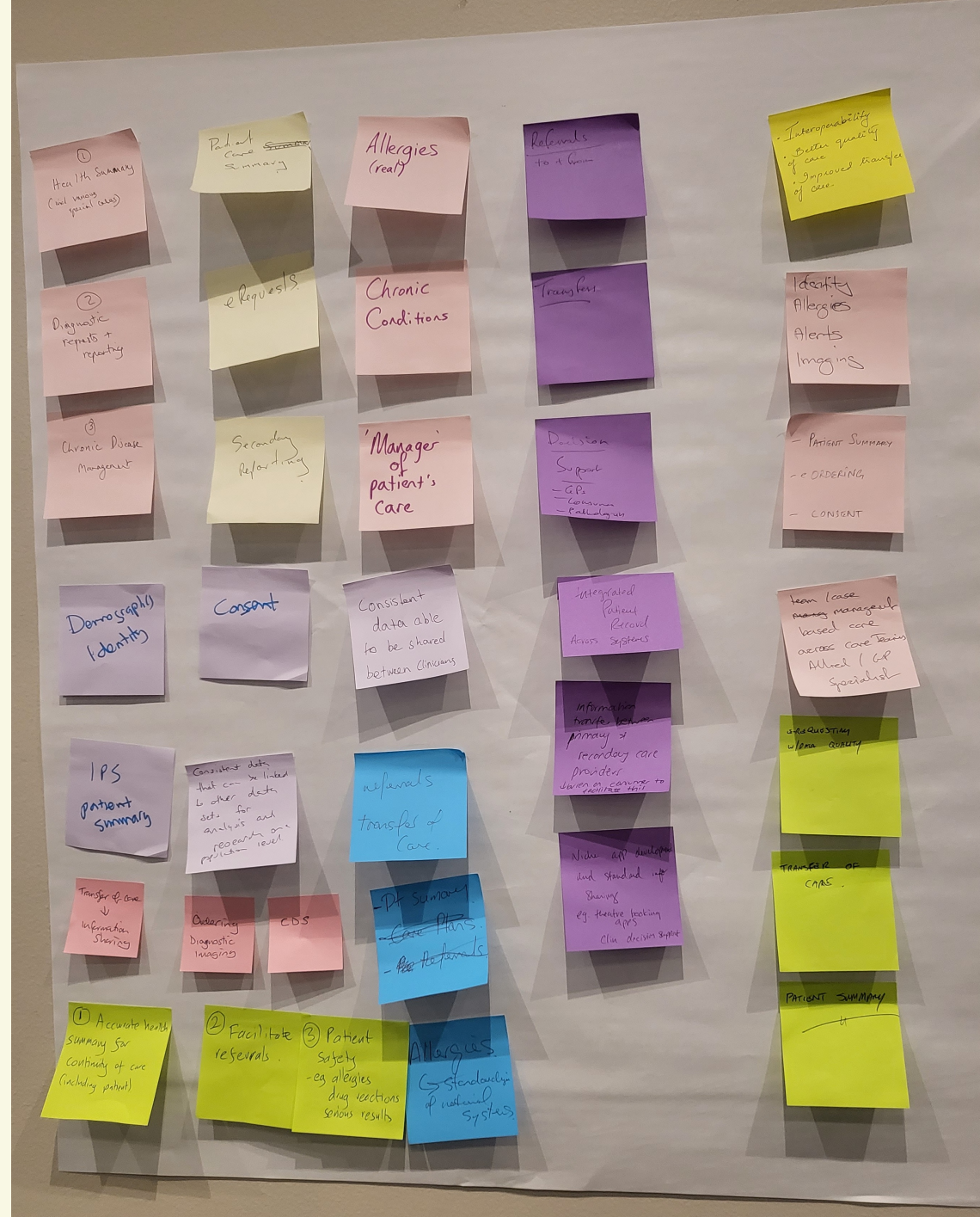
Report back to the room



- Medications
- Adverse Reactions
- Problem/Diagnosis
- Vaccinations
- Laboratory results
- Tobacco
- Smoking Status

# Activity done in workshop

## Results of the group discussion

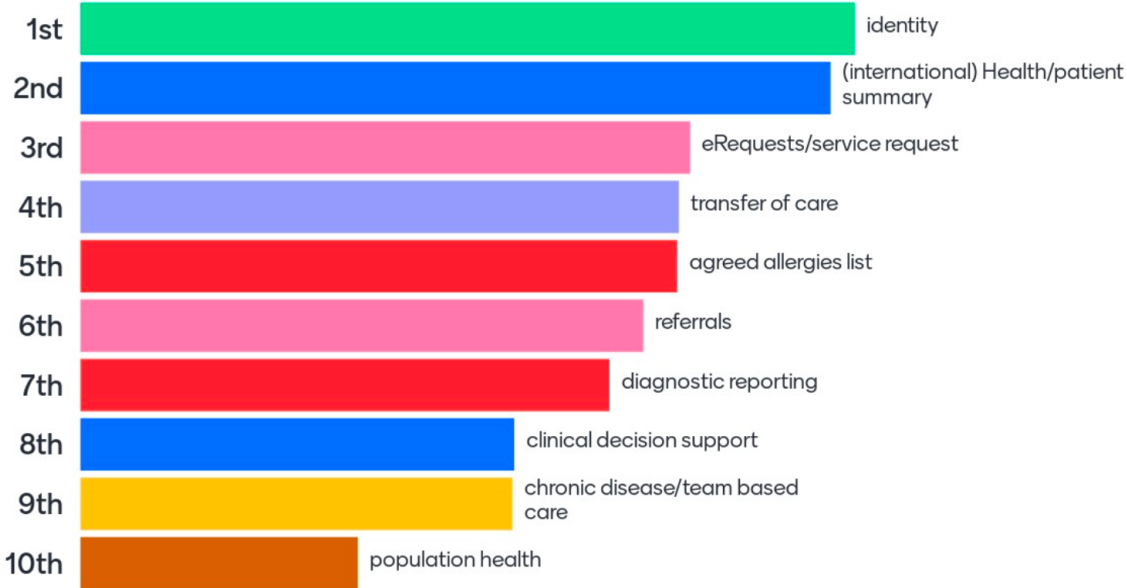




## Audience Ranking of priorities from group activity

Mentimeter

### Priority Uses of AUCDI



6 65



# Workshop Activity 2- Scope of AU CDI

As an individual you get a bunch of stickers 6 gold stickers, 6 Silver and 6 Black.  
Choose wisely!

- Place your gold stickers on the top 6 data groups (Sheets) in scope for R1 AU CDI
- Place your silver stickers on the next data items to be included in the backlog for AU CDI
- Place your black stickers on data items you don't believe should be in scope for AU CDI

Any data items missing? Post it note add to sheet.



# Workshop Activity 3- where more work is required?

As a group

- Place yellow dots for data elements you agree should be in AU CDI but need more discussion
- Place Red dots against data elements that shouldn't be in AU CDI.
- Any data elements missing on a post it note.

# Activity done in workshop

## Results of voting activities

Adverse reaction risk item	Risk of harmful or undesirable physiological response which is unique to an individual and associated with exposure to a substance.		
Text	Description	Codeable	Vote
Substance	Identification of a substance, or substance class, that is considered to put the individual at risk of an adverse reaction event.	Codeable	10 orange dots
Verification status	Assertion about the certainty of the propensity, or potential future risk, of the identified 'Substance' to cause a reaction.	Codeable	2 orange dots
Comment	Additional narrative about the propensity for the adverse reaction, not captured in other fields.		10 orange dots, 2 red dots
Reaction event	Details about each adverse reaction event linked to exposure to the identified 'Substance'.		10 orange dots, 2 red dots
Manifestation	Clinical symptoms and/or signs that are observed or associated with the adverse reaction.	Codeable	5 orange dots
Reaction severity	Clinical assessment of the severity of the reaction event as a whole, potentially considering multiple different manifestations. - It is acknowledged that this assessment is very subjective. There may be some specific practice domains where objective scales have been applied. Objective scales can be included in this model as extensions.	Codeable	5 orange dots, 1 red dot

Orange – needs discussion/work  
Red – Out of scope for AU CDI

### Adverse Reaction Risk Item AU Core Allergy/Intolerance

Question: Should we break substance into meds, drug class, non-meds?

Sticky notes include: 'Meds', 'Food', 'Other', 'Drug Class', 'Drug Food', 'Drugs', 'Devices', 'Meds Food', 'Meds', 'Animals', 'ASCLT', 'Adverse reaction'.

Question: Should criticality be included against a reaction PROPENSITY?

Sticky notes include: 'Yes', 'Yes - more info on adverse reactions', 'Adverse reaction', 'Yes with rationale'.

In Scope for AU CDI  
Gold – R1  
Silver – on roadmap (backlog)

Out of scope for AU CDI

### Missing Elements to be Included

Sticky notes include: 'Detailed/Repeatable', 'Component', 'Adverse events have to include substance', 'Inherent', 'Impulse devices', 'Outcome of AE', 'Meds', 'Meds', 'Meds', 'Meds'.

# Activity done in workshop

## Results of voting activities

Alcohol consumption summary item		Summary or persistent information about the typical alcohol consumption of an individual.	
Text	Description	Codeable	Vote
Overall status	Statement about current consumption for all types of alcohol.	Codeable	● ● ● ● ● ● ● ●
Overall description	Narrative summary about the individual's overall alcohol consumption pattern and history.		● ● ● ●
Per episode	Details about a discrete period of time with a consistent pattern of typical consumption.		
Episode label	Identification of an episode of alcohol consumption - either as a number in a sequence and/or a named event.		●
Episode start date	Date when this episode commenced.		● ● ● ● ● ● ● ●
Episode end date	Date when this episode ceased.		● ● ● ● ● ● ● ●
Pattern	The typical pattern of consumption of alcohol.	Codeable	● ●
Binge drinking frequency	The individual's typical frequency of heavy drinking over a short period of time with the intent of becoming intoxicated.		
Binge drinking description	Narrative description about the individual's typical pattern of binge drinking.		● ● ● ● ● ● ● ●
Alcohol free days	The number of days where no alcohol was consumed in the specified period.		
Typical consumption (alcohol units)	Estimate of number of alcohol units consumed in the specified time period.		
Number of quit attempts	Total number of times the individual has attempted to stop consuming alcohol within this episode.		● ● ● ● ● ● ● ●
Episode comment	Additional narrative about alcohol consumption during the specified episode, not captured in other fields.		● ● ● ● ● ● ● ●
Overall quit date	The date when the individual last ceased consuming alcohol of any type.		●
Last updated	The date this alcohol consumption summary was last updated.		

Alcohol consumption summary item  
**AUDIT-C** ● Orange – needs discussion/work  
 Red – Out of scope for AU CDI  
**AU Core Alcohol Status**

**Missing Elements to be Included**  
*If including alcohol - need to include other substances such as cannabis.*  
 Only relevant if related to reasons for seeking care

**In Scope for AU CDI**  
 Gold – R1  
 Silver – on roadmap (backlog)

**Out of scope for AU CDI**

Alcohol Use Disorders Identification Test (AUDIT)		Ten question screening test to identify harmful alcohol consumption.	
Text	Description	Codeable	Vote
AUDIT-C total score	Total Score calculated from the first 3 questions only.		● ● ● ● ● ● ● ●

# Activity done in workshop

## Results of voting activities

Encounter			
Detailed information about a single clinical visit or consultation			
Text	Description	Codeable	Vote
Type of encounter	The modality through which the encounter occurred or was conducted	Codeable	14 Orange dots, 1 Red dot
Reason for encounter	The reason for initiation of any healthcare encounter or contact by the individual who is the individual	Codeable	10 Orange dots, 1 Red dot

Encounter  
AU Core Encounter ●

Orange – needs discussion/work  
Red – Out of scope for AU CDI

### Missing Elements to be Included

- Notes Practice
- Where/when for encounter e.g. home visit, hospital
- Many GP encounters don't need to be shared outside practice
- Visit note
- Encounter timing where encounter took place with who
- Details on time location
- Specifically about from encounter health provider

### In Scope for AU CDI

Gold – R1  
Silver – on roadmap (backlog)

### Out of scope for AU CDI

# Activity done in workshop

## Results of voting activities

Family history summary		Summary information about the significant health-related problems found in family members.	
Text	Description	Codeable	Vote
Summary	Narrative overview about problems, diagnoses, psychosocial, environmental and genetic markers that have been identified in family members.		●●●●
Per family member	Details about a specific family member.		●●●●
Family member name	Name of family member.		●●●●●●●●●●●●●●●●●●●●
Alias	An alternative name or label to uniquely identify a family member, without using a personal name which might publicly identify the individual.		●●●●●●●●●●●●
Relationship	The relationship of the family member to the subject of care.	Codeable	
Date of birth	Full or partial date of birth of the family member.		
Deceased?	Is the family member deceased?		●
Age at death	Exact or estimated age of the family member at death.		
Date of death	Full or partial date of death of the family member.		
Clinical history	Detail about problems or diagnoses for the family member.		
Problem/diagnosis name	Identification of the significant problem or diagnosis in the identified family member.		
Clinical description	Narrative description or comments about clinical aspects of the family member's problem/diagnosis.		
Age at onset	Estimated or actual age of the family member when the problem/diagnosis was clinically recognised.		
Cause of death?	Relationship of the problem/diagnosis to the death of this family member.		●●
Comment	Additional narrative about the family member not captured in other fields.		●●●●●●●●
Last Updated	The date this family history summary was last updated.		●

**Family history summary**  
**Not in AU Core yet**  
 Orange – needs discussion/work  
 Red – Out of scope for AUCDI

### Missing Elements to be Included

- Genetically relevant medical conditions -
- Social Situation or context
- Always think is specific to the patient's case

#### In Scope for AUCDI

Gold – R1

Silver – on roadmap (backlog)

#### Out of scope for AUCDI

# Activity done in workshop

## Results of voting activities

Follow-up activity	Request for a health-related service or activity to be delivered by a clinician, organisation or agency.		
Text	Description	Codeable	Vote
Follow-up name	The name of the single service or activity requested.		
Date due	The date/time, or acceptable interval of date/time, for provision of the service.		
Comment	Additional narrative about the service request not captured in other fields.		

**Follow-up activity  
Not in AU Core yet**

Orange – needs discussion/work  
Red – Out of scope for AU CDI

**In Scope for AU CDI**

Gold – R1 (1)

Silver – on roadmap (backlog) (5)

**Out of scope for AU CDI** (5)

**Missing Elements to be Included**

Who are we following up with

Who own this space from future release?

Responsible party for follow up?

Who designated the follow up?

Responsible for execution - time or not agreed

Source of "Service Provider"





# Activity done in workshop

## Results of voting activities

### Health status assessments

Initial work done to date	Identified gaps
Education summary ●●	Functional status
Food and nutrition summary ●	Disability status ●
Gambling summary ●●●●	●●●●●●●●●●
Housing summary ●●	
Living arrangement summary ●	● difference between housing & living arrangements?
Personal safety summary ●	
Sexual health summary	●
Social summary ●●	●
Substance use summary ●●●●	●
Physical activity summary ●	
Support network summary ●●●	
Transport access summary ●●	
Health Issue/Concern ●●●●●	●
Tobacco smoking summary – see detail on other pages ●	●
Alcohol consumption summary – see detail on other pages ●	●

**In Scope for AUCDI**  
 Gold – R1  
 Silver – on roadmap (backlog)

**Out of scope for AUCDI**

**Missing Elements to be Included**

- Health library more useful than general educational summaries
- Some of this data should be in demographic data set
- Some of this data should be in demographic data set
- Health library more useful than general educational summaries
- Some of this data should be in demographic data set

Tobacco and alcohol should be listed under substance use



# Activity done in workshop

## Results of voting activities

### Patient demographics and information

Work done to date	Identified gaps
Sex assigned at birth	3 dots
Gender identity	3 dots
Gender category	10 dots
Occupation summary	15 dots
Occupation record	15 dots

Includes unpaid work

#### In Scope for AUCDI

- Gold - R1
- Silver - on roadmap (backlog)

#### Out of scope for AUCDI

### Missing Elements to be Included

- Related people
- Person responsible ●
- Person to contact 1 +1
- Person to contact 2
- Legal Guardian ●
- including Out of Home Care

Other people record them in person visited in the occupation section

### Patient identifiers (Index)

- Pronouns
- Indigenous Status
- carer
- Preferred way to be communicated (contact)
- Living situation

# Activity done in workshop

## Results of voting activities

Physical examination findings

Work done to date	Identified gaps
Physical examination summary	
Examination of heart	
Examination of ear	
Examination of eye(s)	
Examination of mouth	

Overlap with Vital Signs

Missing Elements to be Included

- Why are there 5 physical exam items? Will be comprehensive?
- If we do 4 items, how many items will we miss? This was done, but not done by...
- Not sure how much...

In Scope for AUCDI  
Gold - R1  
Silver - on roadmap (backlog)

Out of scope for AUCDI

# Activity done in workshop

## Results of voting activities

### Pregnancy and breast feeding

Work done to date	Identified gaps
Pregnancy: Last menstrual period	●●●
Pregnancy: Estimated date of delivery	●●●
Pregnancy: Gravidity	●●●
Pregnancy: Parity	●●●
Breast feeding summary	●●●●●

**In Scope for AUCDI**

Gold – R1

Silver – on roadmap (backlog)

**Out of scope for AUCDI**

**Missing Elements to be Included**

# Activity done in workshop

## Results of voting activities

**Problem/Diagnosis** Details about a single identified health condition, injury, disability or any other issue which impacts on the physical, mental and/or social well-being of an individual.

Text	Description	Codeable	Vote
Problem/Diagnosis name	Identification of the problem or diagnosis, by name.	Codeable	5 orange dots
Body site	Identification of a simple body site for the location of the problem or diagnosis.	Codeable	3 orange dots
Laterality	A structured anatomical location for the problem or diagnosis.	Codeable	7 orange dots
Date/time clinically recognised	Estimated or actual date/time the diagnosis or problem was recognised by a healthcare professional.		2 orange dots
Severity	An assessment of the overall severity of the problem or diagnosis.	Codeable	6 orange dots
Course	Narrative description about the course of the problem or diagnosis since onset.		12 orange dots
Status	A data element that records whether the condition is active or inactive	Codeable	10 orange dots
Comment	Additional narrative about the problem or diagnosis not captured in other fields.		10 orange dots

Orange – needs discussion/work  
Red – Out of scope for AUCDI

### Problem/Diagnosis AU Core Condition

**Question: Should SDOH problem/health concerns be called out specifically?**

Depends on the scope of the condition (e.g. with chronic, episodic, acute, chronic)

Depends on the problem. It will be a discussion.

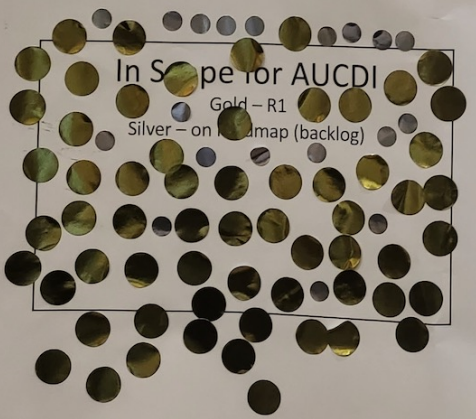
NEED date/time WHEN LIST REMOVED or RECALLED actual measure

NOT for core

Should have been the EHR data element. Has not been used. Questionnaire data. So long list of conditions. Hard to manage. Not in the core.

**Question: What is your core interoperability use case for problem/diagnosis? (e.g. medical history, active conditions being managed...)**

Into history for chronic care



Out of scope for AUCDI

# Activity done in workshop

## Results of voting activities

Orange – needs discussion/work  
Red – Out of scope for AU CDI

Text	Description	Codeable	Vote
Procedure name	Identification of the procedure by name.	Codeable	Orange dots
Body site	Identification of a simple body site for the location of the problem or diagnosis.	Codeable	Orange dots
Laterality	A structured anatomical location for the problem or diagnosis.	Codeable	Orange dots
Date performed			Orange dot
Comment	Additional narrative about the problem or diagnosis not captured in other fields.		Orange dots

Procedure  
AU Core Procedure

### Missing Elements to be Included

Handwritten notes on sticky papers:

- Specialty - Surgeon's details
- Procedure - Location - Level - Laterality - Code - by device - ? device - ? patient - ? facility - ? patient education - ? patient education - ? patient education

### In Scope for AU CDI

- Gold - R1 (52)
- Silver - on roadmap (backlog) (21)

### Out of scope for AU CDI



# Activity done in workshop

## Results of voting activities

### Service requests

Identified areas of interest		Vote
Service type (Category)	codeable	●●●●●●●●
Request name	codeable	●●●●●●
Request reason	codeable	●●●●
Date request made		
Service provider type (performer type) - undirected	codeable	●●●●●●
Service provider (performer) - directed/undirected		●●●●●●●●●●
Request status (where it is in the workflow)	codeable	●●
Timing	codeable	●●●●●●●●

Text	Description	Codeable	Vote
Follow-up name	The name of the single service or activity requested.		●●●●●●
Date due	The date/time, or acceptable interval of date/time, for provision of the service.		●●●●●●
Comment	Additional narrative about the service request not captured in other fields.		●●●●●●●●

**In Scope for AUCL**

Gold - R1

Silver - on roadmap (backlog)

**Only in scope for AU eRequest**

CDI

### Missing Elements to be Included

- Reading Provider
- Program Controller
- Acceptance Details with the Patient
- Not in AUCL
- Is date due the same as validity of request?
- Program
- Service R1
- by Num of

# Activity done in workshop

## Results of voting activities

Tobacco smoking summary		Summary or persistent information about the tobacco smoking habits of an individual.	
Text	Description	Codeable	Vote
Overall status	Statement about current smoking behaviour for all types of tobacco.	Codeable	●●
Overall description	Narrative summary about the individual's overall tobacco smoking pattern and history.		●●●
Regular smoking commenced	The date or partial date when the individual first started frequent or regular, but usually non-daily, smoking of tobacco of any type.		●●
Per type	Details about smoking activity for a specified type of smoked tobacco.		●●●●●●●
Type	The type of tobacco smoked by the individual.	Codeable	
Per episode	Details about a discrete period of smoking activity for the specified type of tobacco.		●
Pattern	The typical pattern of smoking for the specified type of tobacco.		●
Typical use (units)	Estimate of number of units of the specified type of tobacco consumed.		●
Typical use (mass)	Estimate of the weight of loose leaf tobacco smoked.		●●●●●●●
Number of quit attempts	Total number of times the individual has attempted to stop smoking the specified type of tobacco within this episode.		●
Overall quit date	The date when the individual last ceased using tobacco of any type.		●
Overall years of smoking	The cumulative number of years that the individual has smoked tobacco.		●●
Overall pack years	Estimate of the cumulative amount for all types of tobacco smoked.		●●●
Last updated	The date this tobacco smoking summary was last updated.		

### Tobacco smoking summary

Orange – needs discussion/work  
Red – Out of scope for AUCDI

### Missing Elements to be Included

Vaping  
e-cigarettes

**In Scope for AUCDI**

Gold – R1  
Silver – on roadmap (backlog)

**Out of scope for AUCDI**

# Activity done in workshop

## Results of voting activities

<b>Vaccination</b>	Any activity related to the planning, scheduling, prescription management, dispensing, administration, cessation and other use of a medication, vaccine, nutritional product or other therapeutic item.		
Text	Description	Codeable	Vote
Vaccine name	Name of the medication, vaccine or other therapeutic/prescribable item which was the focus of the activity.	Codeable	
Sequence	The sequence number specific to the pathway step being recorded.		
Administration date			
Comment	Additional narrative about the activity or pathway step not captured in other fields, including details of any variance between the intended action and the action actually performed.		

### Vaccination AU Core Immunization

Orange – needs discussion/work  
Red – Out of scope for AU CDI

**In Scope for AU CDI**

Gold – R1

Silver – on roadmap (backlog)

**Out of scope for AU CDI**

### Missing Elements to be Included

- Include only for vaccine proven to remove the clinical potential to be disease
- Next due
- Devices - Device Incident Reports
- Patients details, Vaccination, IS desired
- Missing Any where current times referred to vaccination
- Referral location

# Activity done in workshop

## Results of voting activities

### Vital signs

Work done to date	Identified gaps
Blood pressure	Head circumference
BMI	Oxygen saturation
Body temperature	
Body weight	
Height/length	
Pulse	
Respiration rate	
Waist circumference	

*Work done to date* (orange dots): Blood pressure, BMI, Body temperature, Body weight, Height/length, Pulse, Respiration rate, Waist circumference.

*Identified gaps* (red dots): Head circumference, Oxygen saturation.

*Other notes:* "There is discussion" (orange sticky note above table), "unless I missed it" (orange sticky note below table).

#### In Scope for AUCDI

Gold - R1  
Silver - on roadmap (backlog)

#### Out of scope for AUCDI

#### Missing Elements to be Included

*Searchable to Diagnostic results*

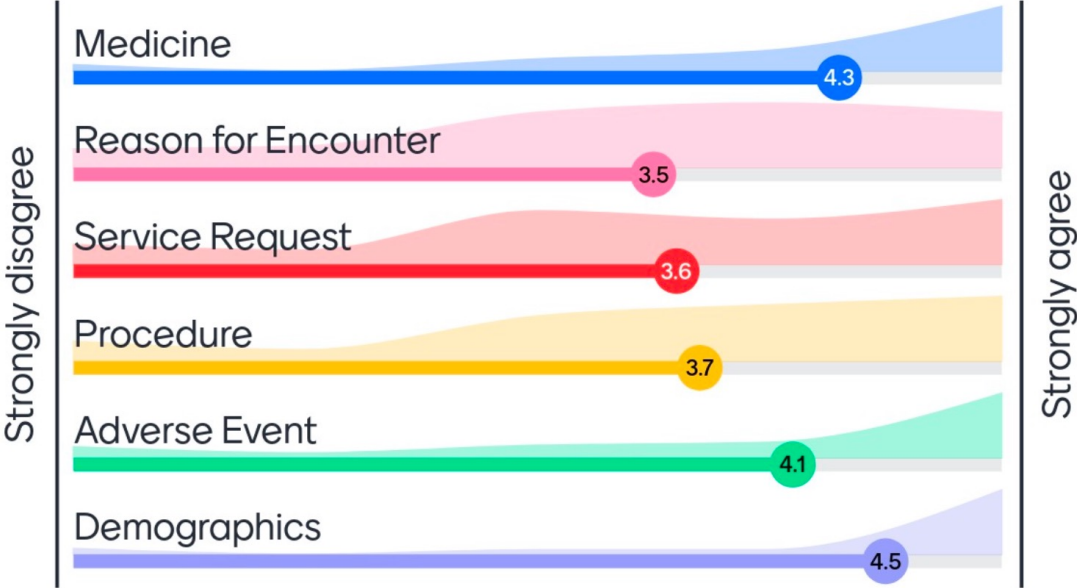


# Activity done in workshop

## Results of ranking of R1

### Release 1

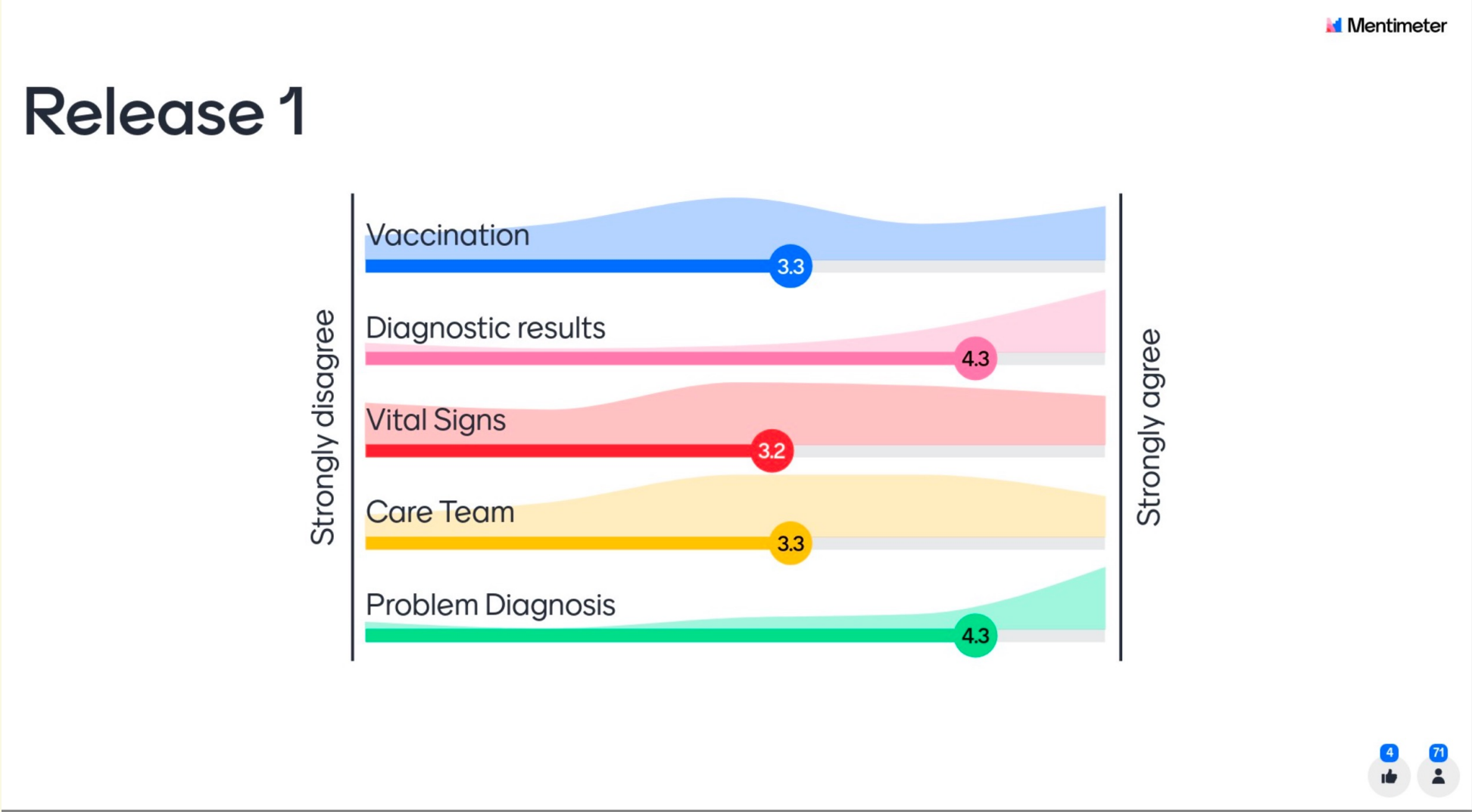
Mentimeter



6 70

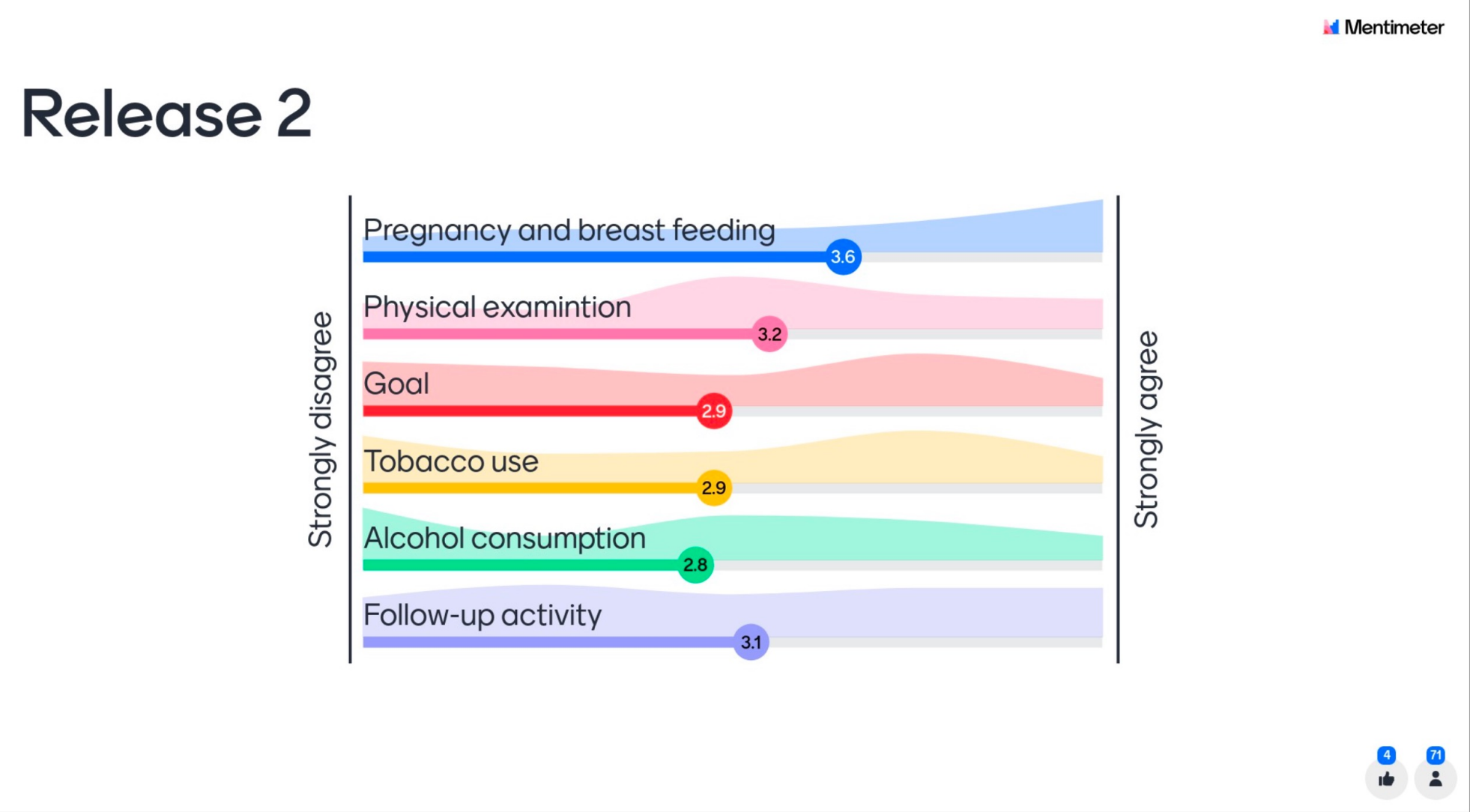
# Activity done in workshop

## Results of ranking of R1



# Activity done in workshop


## Results of ranking of R2





The background is a solid dark color, possibly black or dark charcoal. It is decorated with several light gray, rounded rectangular shapes of various sizes and orientations, scattered across the frame. These shapes resemble stylized tea leaves or biscuits.

Afternoon tea



Workshop activity  
Continued



# Core Draft Principles of Data Set Design

- Single entry, single development - multiple use and reuse
- Driven by a clinical safety use case
- Reduce duplication of effort
- Not data for data's sake
- Driven by primary use not secondary use needs
- Systems can support now or with minimal effort
- Standards based

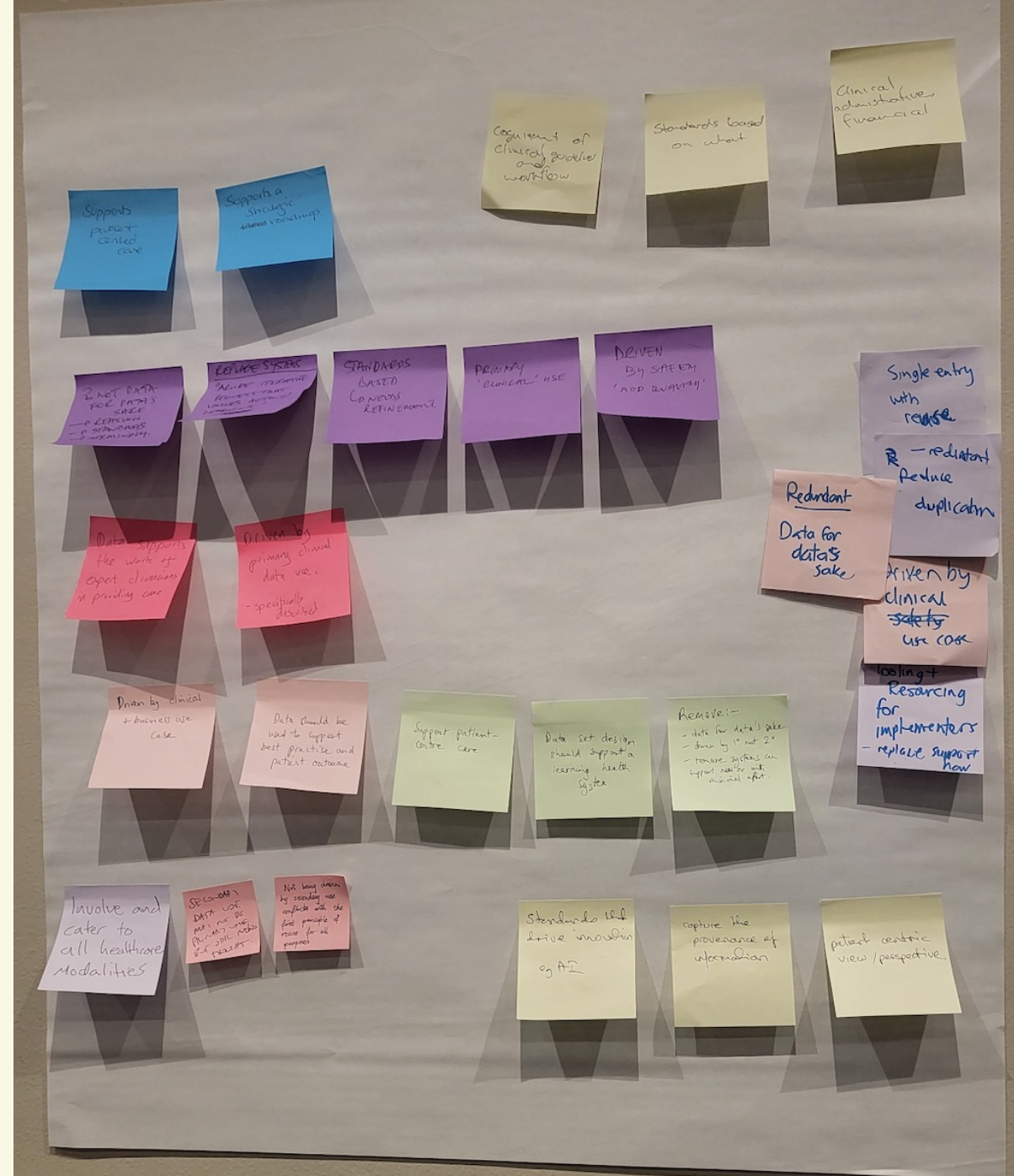


# Workshop Activity 4 – Ways of Working

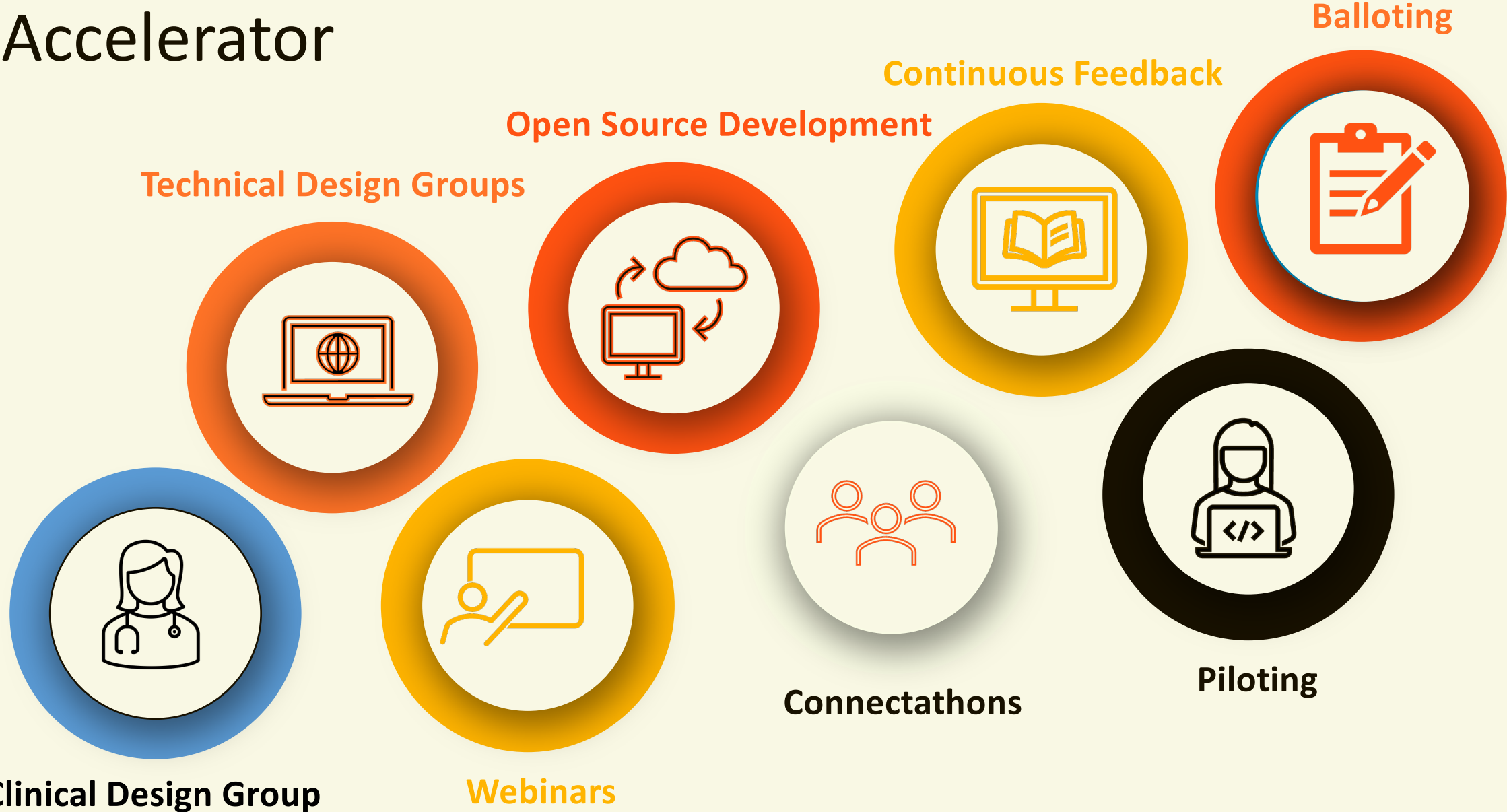
- Looking at the draft design principles- as a group identify any additional principles that should be added
- Report Back

# Activity done in workshop

## Results of group activity



# Ways to Participate in AU FHIR Accelerator



**Clinical Design Group**

**Webinars**

**Connectathons**

**Piloting**



# Activity 5 Ways of Working

- In addition to the CCDG Face 2 Face and Monthly Calls- how do we ensure broad engagement and input
- Who is missing?
- What are other methods of seeking input and validation?

Did not complete this activity – audience requested to email thoughts and ideas to [FHIR@csiro.au](mailto:FHIR@csiro.au)



Wrap up and reflections of  
the day





# Menti activity

# Activity done in workshop

How fired up are you? One word to describe today?  
80 responses

